SECTION F - CONTINGENCY PLAN

The Contingency Plan for the East Hartford Facility is presented here as Exhibit F - 1. This Contingency Plan and the information contained herein has been prepared in accordance with the requirements of 40 CFR 270.14(b)(7) and 264 Subpart D, and the Connecticut Hazardous Waste Regulations Section 22a-449(c)-26.

Based upon DEP's review comments this Contingency Plan has been updated, revised and reorganized. As of this writing Pratt & Whitney is working to further update this Contingency Plan to incorporate detailed emergency response and evacuation procedures which will address many types of incidents including those involving hazardous waste. It is recognized that this current Contingency Plan is lacking in its description of these procedures. It is anticipated that the updated plan will be completed by December 31, 1991.

The Contingency Plan will be revised and amended if the facility permit is revised; the plan fails in an emergency; the facility's operations for which the plan has been prepared change in any way that alters the Contingency Plan; the list of Emergency Coordinators, their telephone numbers, and/or addresses change; or the P&W Fire Department emergency equipment changes in a manner which alters the Contingency Plan.

As required, the plan will be sent to local police and fire departments, hospitals and the local emergency planning committee. Copies of the letters transmitting this document to these agencies are kept on file at the facility.

EXHIBIT F - 1

Contingency Plan
For
Hazardous Waste Management

CONTINGENCY PLAN
FOR
HAZARDOUS WASTE MANAGEMENT
AT
PRATT & WHITNEY
EAST HARTFORD MANUFACTURING FACILITIES

EPA I.D. #CTD990672081
(400 MAIN STREET)
and
EPA I.D. #CTD000844399
(COLT STREET)
EAST HARTFORD, CT 06108

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LIST OF ACRONYMS USED

ASTM	American Society for Testing Material
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
CWA	Clean Water Act
CWS&TF	Centralized Waste Storage & Treatment Facility
CWTP	Concentrated Waste Treatment Plant
DEP	Connecticut Department of Environmental Protection
DWW	Dilute Wastewater
EHS	Extremely Hazardous Substance
EP	Extraction Procedure
EPA	U.S. Environmental Protection Agency
HWM	Hazardous Waste Management
IH&S	Industrial Hygiene & Safety
MCL	Material Engineering
MERL	Material Engineering Research Laboratory
MFG	Manufacturing
NPDES	National Pollutant Discharge Elimination System
NRC	National Response Center
P&W	Pratt & Whitney
PMC	Process Material Control Specifications
PS	Process Solution Specifications
PWA	Pratt & Whitney Specifications
RCRA	Resource Conservation and Recovery Act
RQ	Reportable Quantity
SPCC	Spill Prevention Control and Countermeasure Plan
TSA	Transportation Safety Act
TSDF	Treatment Storage Disposal Facilities

A. INTRODUCTION

1. General

This Contingency Plan has been prepared for the Pratt & Whitney East Hartford Facility at 400 Main Street East Hartford, Connecticut 06108. This facility occupies 1096.6 acres of land and employs approximately 15,000-19,000 personnel. The principal activity is the design, development, testing and manufacturing of aircraft engines.

The facility consists of a main factory complex, a separate power house, several separate office buildings, an airport with hangars and a control tower, several auxiliary buildings, engine development and test facilities, and a Concentrated Waste Treatment Plant and a Dilute Industrial Wastewater Treatment Facility.

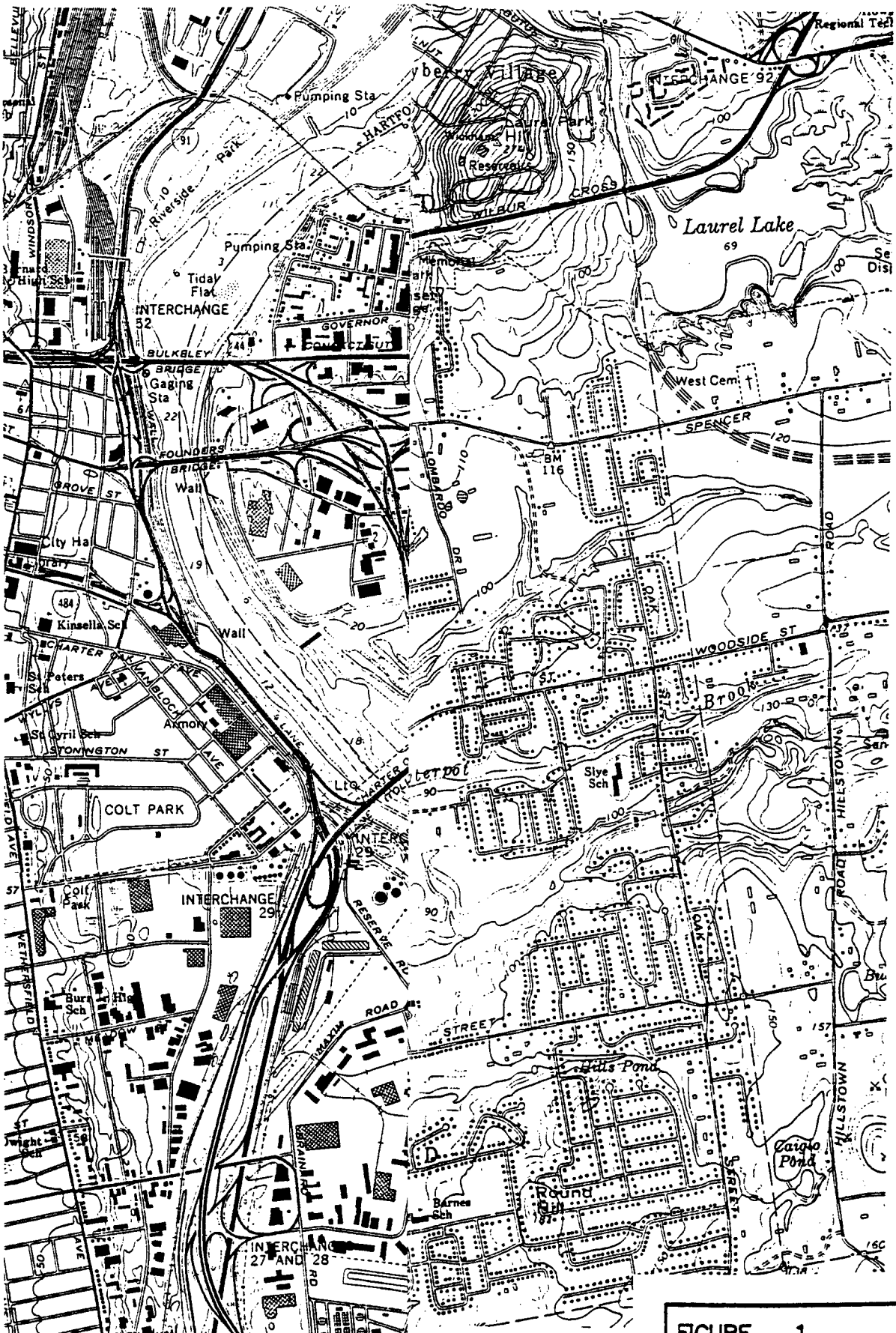
2. Site Considerations

The Pratt & Whitney East Hartford plant is located east of the Connecticut River, south of Willow Brook, and north of Brewer Street in the Town of East Hartford, Connecticut (Refer to Figure No. 1 on the following page).

Through the north end of the P&W East Hartford complex runs Willow Brook in an east to west direction to the Connecticut River. There is a dam and pond in the vicinity of the Concentrated Waste Treatment Plant (CWTP). The 100 year flood level is 33.3 feet and is located within the pond embankments. The 500 year flood level is 36.1 feet which would also be contained. The source of this flood level data is the Flood Insurance Study for the Town of East Hartford, Connecticut, dated August 1979 prepared by the U.S. Department of Housing and Urban Development, Federal Insurance Administration.

3. Traffic Patterns

The major highways nearest to the East Hartford manufacturing facility are Routes 2 and I-84. Trucks traveling Route 2 use the Willow Street Exit and enter the facility through the Willow Street gate. These trucks then proceed on Willow Brook Road to the Concentrated Waste Treatment Plant (CWTP). Trucks exiting from I-84 proceed through the Silver Lane entrance gate onto West Connector Road, to Willow Brook Road and then to the CWTP. The maximum weight of fully loaded trucks entering the facility is 80,000 lbs. Approximately 600 tankers and 250 trailers containing hazardous and non-hazardous waste enter the facility per year. The load bearing capacity of the in-plant roads are 14,000 pounds per square foot and the road surfacing is bituminous concrete.



GRAPHIC QUADRANGLES:
PHOTOREVISED 1984
PHOTOREVISED 1984
TOREVISED 1972
OREVISED 1968

FIGURE 1

USGS TOPOGRAPHIC MAP

SCALE: 1" = 2000'

4. Wastes/Generation

This complex, in designing, developing, manufacturing and testing aircraft engines, generates large quantities of wastes through batch discharges and/or continuous discharges. These wastes include industrial wastewaters, dilute oily wastes, characteristic hazardous wastes (ignitable, corrosive, reactive and Toxic) and spent solvents.

Pratt & Whitney also utilizes a wide variety of products that are listed hazardous wastes - Acids, Alkalies, Cyanides, Alcohols, Metal Plating Solutions, Specialty Solutions, Fungicides, Epoxy, Cleaners, Resins, Paints and Solvents and many commercial chemical products listed in 40 CFR 261.33(e) and (f).

Specific processes which use the above products and which result in the generation of hazardous wastes include the following:

- Product Rinsing
- Stripping
- Electroplating
- Cleaning, Degreasing
- Etching
- Sludge Removal
- Solvent Reclaimation
- Spill Cleanup of Listed Matl's.
- Battery Replacement
- Process Decon
- Cleaning Fuel Systems
- Disposal of Obsolete Matl's.
- Closure of Units
- Plating
- Abrasive Jet Machining
- Anodizing
- Chemical Machining
- (Chemical Milling)
  Electrochemical Machining
- Machining
- Salt Bath Descaling
- Salt Bath Descaling
- Vapor Degreasing
- Alkali Cleaning
- Heat Treating
- Acid Cleaning
- Electroless Plating
- Product Filtering
- Painting Operations
- Photo Developing
- Disposal of Obsolete Matl's.
- X-Ray Testing
- Machine Oil Changes
- Routine Clean-up
- Acid Treatment (Pickling)
- Chromate Conversions
- Electrical Discharge
- Machining

5. Wastewater Collection/Treatment

Within the factory complex, several dilute industrial wastewater and dilute oily waste collection and pumping systems have been installed to provide proper containment, storage and transfer of the various wastewaters to the Pratt & Whitney Concentrated Waste Pre-Treatment Facilities and Industrial Wastewater Treatment Facilities. The Concentrated Wastewater Treatment Facilities are located on the grounds of the main complex adjacent to Willow Street. The Industrial Wastewater Treatment Facilities are located at the company's Colt Street property. At these facilities, the wastewaters are properly treated prior to discharging into the Connecticut River. This discharge is permitted under the state and federal National Pollutant Discharge Elimination System (NPDES) permit program.

Pratt & Whitney's Concentrated Waste Treatment Plant also handles concentrated wastewater, characteristic hazardous wastes, solvents, reclaimed and waste oils and solvent/oil mixtures for processing and disposal. Waste oils are characterized then segregated for reclaim or disposal. These oils are transferred from 55-gallon drums into one of three waste oil tanks at the Concentrated Waste Treatment Plant (CWTP). Licensed vendors then pick-up bulk loads for reclaim or disposal at permitted TSDF's. Waste soluble oil obtained within the manufacturing complex is collected in 500-gallon portable tanks and transported to one of two "Jeffrey" sludge separators from which the liquid fraction is pumped to the CWTP for further treatment and disposal.

Hazardous wastes will be stored at the facility in the Centralized Waste Storage & Transfer Facility (CWS&TF), as well as in six (6) less than 90 day storage areas as follows:

- Three 10,000 gallon underground storage tanks (CWTP-3)
- Container and Tank Storage in CWTP-5
- Container Storage in CWTP-6
- Rentschler Airport Container Storage Building

  Main Oil House Container Storage Area
- Experimental Test Oil House Container Storage Area

6. Stormwater Drainage

Most storm water which falls onto the site is collected and discharged into a series of catch basins and storm sewers which flow into either Willow Brook to the north or into Pewterpot Brook to the south. Both of these brooks empty into the Connecticut River which is located about one-half mile west of the main factory complex. All discharges emanating from the factory complex containing treated wastewater, industrial cooling water, and/or similar discharges are being monitored under the NPDES permit program (refer to Figure 2 on the following page for the locations of the NPDES monitoring points).

7. Plan/Policy

This document is designed to protect personnel, property, and the environment from hazards associated with accidental discharges and emergency incidents at the Pratt & Whitney (P&W) East Hartford facility. This document establishes policy and creates procedures, methods and measures, to be taken to prevent and/or contain spills, and countermeasures to minimize any adverse impact to the environment, to reduce safety and health hazards from fires, explosions or any sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil or surface water. This is also a plan setting standards for the acceptable management of hazardous wastes encountered in emergency incidents.

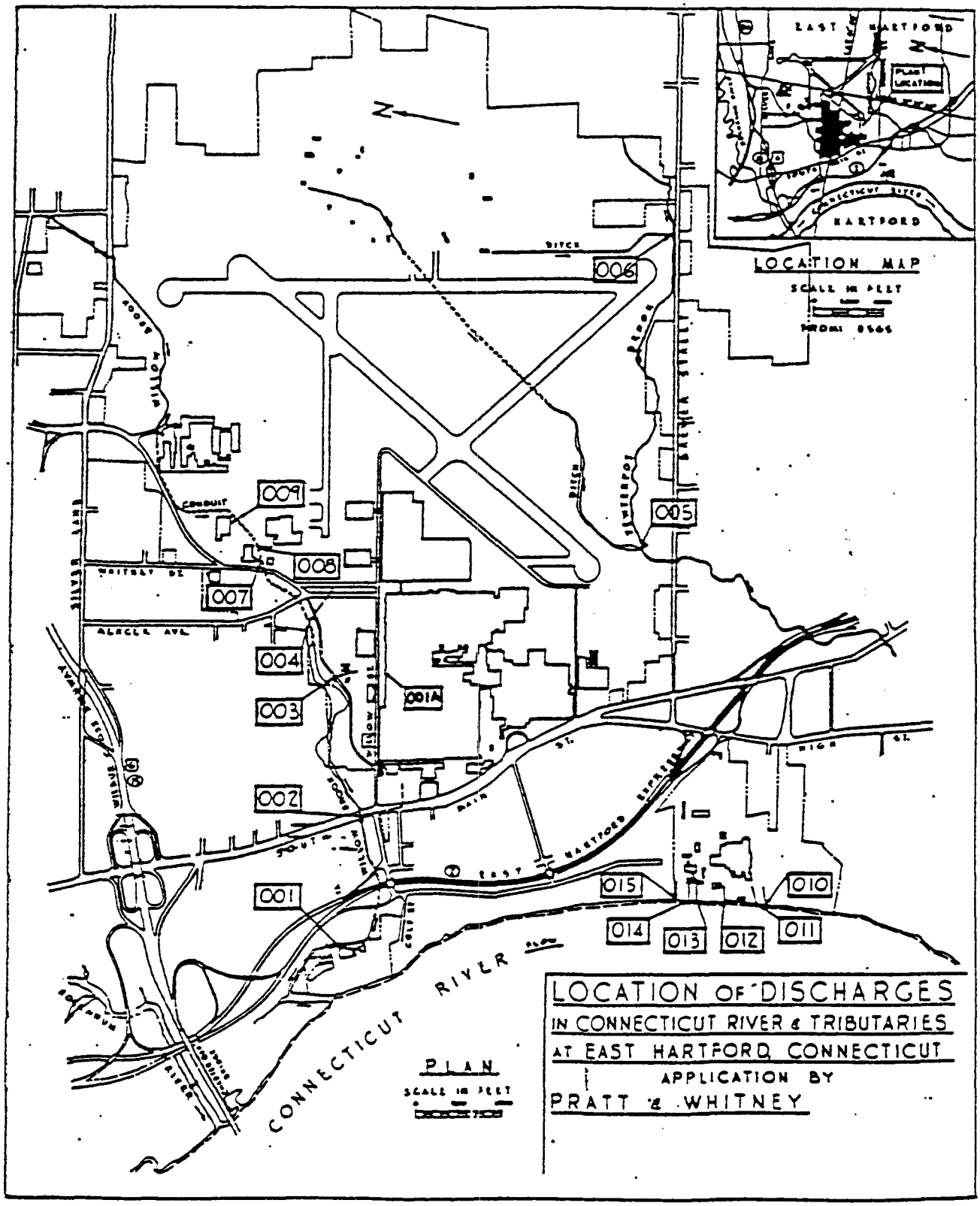

LOCATION MAP
SCALE IN FEET
006
005
009
008
007
004
003
001A
002
001
015
014
013
012
011
010
CONNECTICUT RIVER
PLAN
SCALE IN FEET
LOCATION OF DISCHARGES
IN CONNECTICUT RIVER & TRIBUTARIES
AT EAST HARTFORD, CONNECTICUT
APPLICATION BY
PRATT & WHITNEY

FIGURE NO. 2

This plan has been written to efficiently maximize the utilization of Pratt & Whitney's staff experience and management practices. The procedures outlined in this plan are to be carried out immediately whenever there is a fire, explosion, chemical spill, or release of hazardous waste constituents which could threaten human health or the environment.

B. EMERGENCY COORDINATORS

1. General

Pratt & Whitney's East Hartford Facility has developed an Emergency Coordinator/Emergency Response, managerial and organizational structure specific to its facility organizational structure. This Emergency Coordinator/Emergency Response organizational structure integrates the Pratt & Whitney East Hartford full time Fire Department staff Incident Commanders and the staff of the Environmental Protection Group. Within the context of this Contingency Plan the full time Fire Department staff Incident Commanders are considered Emergency Coordinators in that they are the first responders to any emergency involving hazardous wastes and coordinate any and all emergency response activities. However, they do not have the title Emergency Coordinator. The staff of the Environmental Protection Group and Waste Treatment staff have been designated Emergency Coordinators. They provide support to the Incident Commanders during a hazardous waste emergency response and implement, direct and coordinate all cleanup and follow up activities. Their duties and responsibilities are further described below.

In all instances, the first responder to a hazardous waste emergency whether it be a spill, release, fire or explosion no matter how large or incidental will be an Incident Commander of the Pratt & Whitney full time Fire Department. The Emergency Coordinator will respond to hazardous waste incidents as necessary and when contacted by the Incident Commanders as described in subsequent portions of this section.

The Emergency Coordinators and the Fire Department Incident Commanders are thoroughly familiar with all aspects of this Contingency Plan, the facilities operations and activities, the location and characteristics of waste handled, and facility records and layout. The Emergency Coordinators and the Fire Department Incident Commanders all have the authority to commit the necessary staff and emergency response equipment as required to implement this Contingency Plan. An Emergency Coordinator can be contacted day and night either by pager or telephone as described on pages B-6 to B-8. An Incident Commander is contacted by calling the Fire Dispatcher at 5-1111, 24 hrs/day.

If an emergency situation develops at the facility, the initial observer should notify the Fire Dispatcher immediately and follow the procedures outlined below, in Section D "Emergency Response Procedures" and on pages B-6 to B-8. The Fire Department Incident Commander may be assisted in emergency situations by the Emergency Coordinator, the Environmental Protection Group, the Security Force, the Medical Department, the Industrial Hygiene and Safety Group, and other staff as necessary and further described in this document.

The reporting procedures presented on pages B-6 to B-8 are included as a summary of the required notifications discussed in this document. All personnel or telephone number changes in the summary should be reported to the East Hartford Environmental Compliance Group as soon as possible so that the summary may be updated and the Contingency Plan updated and revised.

2. Duties and Responsibilities

The following section details the Duties and Responsibilities of the Fire Department Incident Commanders, Emergency Coordinators, Fire Department Dispatcher and all other departments and personnel involved in responding to an incident and/or follow up to an incident.

A. Duties of the Initial Observer

The initial observer of the spill or incident must respond as follows:

- o If possible, stop or limit the effect of an incident through timely and routine action without endangering personal safety.
- o Always notify the Fire Department immediately at 5-1111, even if the spill, fire, explosion, or other hazard seems small. Tell the Dispatcher:
  - Name of person reporting and telephone number.
  - Where the incident is located.
  - What the nature of the emergency is.
  - What material is involved (if known).
  - How much material is involved (if known).
  - What corrective action has been taken if any.
  - Whether personnel injuries are involved.
  - The direction in which the spill, vapor or release is heading.
  - Whether a fire or explosion has occurred or is imminent.

B. Duties of the Fire Department Dispatcher

The Dispatcher's job is to initiate emergency activities. The Dispatcher will:

- o Dispatch the Fire Department and Incident Commander to the scene of the incident and notify Security Headquarters to assist in area control.
- o Contact the Emergency Coordinator as listed in the Notification Procedures pages B-6 to B-8 and inform him/her of the information provided by the Initial Observer.
- o Handle all requests for assistance by the Responding Fire Officer/Incident Commander.

- o provide technical support, appropriate handling and response data and procedures, as necessary, to the Incident Commander based upon information transmitted to the Dispatcher regarding the incident and the Dispatchers review of available reference material at the dispatchers location.

- o Notify Industrial Hygiene & Safety of the location of the incident and the type of material involved so that appropriate monitoring equipment will be employed.

C. Duties of the Responding Fire Officer/Incident Commander

The Responding Fire Officer directs and coordinates emergency activities in response to a fire, explosion, spill, or other hazard. The steps to be taken can be summarized as follows:

- o Function as the emergency Incident Commander (Emergency Coordinator as defined by 40CFR265.55).

- o Evacuate any and all personnel who may be endangered by the incident. Security personnel will assist in this activity.

- o Contain the incident to LIMIT the extent of the damage and initiate appropriate remedial action, as described in Section D, within the capabilities of available trained personnel and equipment.

- o Notify the Dispatcher of the need for Medical personnel in the event of or the potential for injuries, and the need for Industrial Hygiene & Safety personnel to provide ambient air monitoring for potential harmful releases.

- o As appropriate, mobilize waste treatment personnel to the scene.

- o Identify the character, source, and extent of the fire, explosion, or release.

- o Identify and assess hazards to human health and the environment working closely with the Emergency Coordinator and Industrial Hygiene and Safety staff based on:

  - The location of the incident.

  - The nature of the emergency.

  - The material involved and amount.

  - Wind direction.

  - Injuries.

  - Potential for further damage (fire, explosion health effects, etc.)

- o Assess and implement the required level of protection.
- o Coordinate containment and mitigation of the release.
- o Participate in post emergency assessments and preventative measures.

D. Duties of Emergency Coordinator

CONTACT THE P&W EAST HARTFORD ENVIRONMENTAL COORDINATOR OR HIS ALTERNATE AS IDENTIFIED IN THE NOTIFICATION PROCEDURES, PAGES B-6 TO B-8 IMMEDIATELY!

- o Coordinate treatment and disposal activities.
- o Advise the Incident Commander on technical issues, available remediation and clean-up procedures and capabilities, and on the need for outside environmental remediation assistance.
- o Determine the proper spill control equipment for the specific emergency and compatibility of suppression or containment equipment/devices with the wastes or with the waste groups.
- o Contact appropriate environmental remediation vendors for immediate emergency response if so directed by the Incident Commander.
- o Participate in post emergency assessments and preventative measures.
- o Make emergency notifications to the Connecticut Department of Environmental Protection, EPA Region I, and/or the National Response Center.
- o As necessary diret the P&W Fire Department Dispatcher to notify the East Hartford Local Emergency Planning Committee (LEPC), East Hartford Fire, Police, or local medical facilities, or to initiate off-site evacuation procedures.
- o Within 15 days after an incident occurs requiring the implementation of the Contingency Plan prepare and submit (6) written reports with cover letters to the verbally notified Regulatory Agencies. These reports shall follow the procedures outlined in Appendix A.

E. Duties of the P&W East Hartford Environmental Coordinator

The P&W Environmental Coordinator or his alternate will be responsible for:

- o Dispatching a member or members of the Environmental Protection Group to the scene to assist the Emergency Coordinator in evaluating the extent of the damage, the potential for off-site impacts, and determining if the incident is beyond the capabilities of the Pratt & Whitney personnel to sufficiently remediate.

- o Making necessary notifications to senior management.

F. Duties of the Security Force

When notified by the Pratt & Whitney Fire Department Dispatcher of the need for crowd or traffic control at a hazardous waste or material incident, the Security Communications Officer will immediately dispatch personnel to the scene to assist in maintaining order and a smooth flow of emergency personnel and equipment in and out of the area.

G. Duties of the Medical Department

When notified by the Pratt & Whitney Fire Department Dispatcher of the need for medical assistance at a hazardous waste or material incident, the ambulance and its staff will immediately respond to the scene. Medical personnel are NOT to endanger themselves by entering an area where a hazard exists. Many fire fighters are trained as Emergency Medical Technicians and will evacuate any injured persons from the hazard area before the ambulance staff will take over.

The Medical Department will notify the Manager of Environmental Protection or his alternate if it will be necessary to transport injured personnel to the area hospitals. Arrangements for transportation will be made by the Medical Department, notification of the hospitals of the type of incident will be made by the Manager of Environmental Protection.

H. Duties of Industrial Hygiene and Safety

When notified by the Pratt & Whitney Fire Department Dispatcher of the need for air monitoring at a hazardous waste or material incident, IH&S will immediately dispatch personnel to the scene to assist in monitoring the incident to ensure that if evacuation of Pratt & Whitney personnel or the population of the surrounding community becomes necessary, the P&W Manager of Environmental Protection will be informed at the earliest possible moment.

3. Summary of Notification Procedures for Hazardous Waste or Hazardous Material Incidents or Releases

The following reporting procedures are to be followed by Pratt & Whitney personnel in the event of any spill, discharge, release or emergency incident involving any petroleum product, chemical, hazardous material or waste which might be considered potentially harmful to human health or the environment.

1. Plant personnel who witness or have knowledge of any spill, discharge, release or incideent should immediately notify the Pratt & Whitney Fire Department by telephone using the emergency number:

5 - 1 1 1 1

2. The Fire Department Dispatcher will dispatch fire department personnel to the incident scene and notify the shift primary Emergency Coordinator as follows:

Time	Primary Emergency Coordinator		
Weekdays, First Shift	On call Environmental Engineer		Pager #385 or #386
Weekdays, Second Shift	J. Bull	Ext 5-3965	Pager #417
Weekdays, Third Shift	G. Jordan	Ext 5-6090	Pager #412

Time	Alternate Emergency Coordinator		
Weekdays, First Shift	R. Ives	Ext 504725	Pager #440
Weekdays, Second Shift	Contact one of the following three		
Weekdays, Third Shift	Emergency Coordinators:		
	J. Stramondo	Ext 7-4448 HM: 879-9866	Pager #384
	W. Chudzik	Ext 5-0338 HM: 649-6007	Pager #419
	T. Lorette	Ext 5-2129 HM: 537-0089	Pager #382
Weekends	Environmental Engineer		Pager #8-203-278-8794 Access Code 1054

If the primary or alternate coordinator cannot be reached contact one of the following emergency coordinators:

J. Stramondo	Ext 7-4448 HM: 879-9866	Pager #384
W. Chudzik	Ext 5-0338 HM: 649-6007	Pager #419
T. Lorette	Ext 5-2129 HM: 537-0089	Pager #382

(3) If necessary, the responding fire officer shall notify the dispatcher of the need for assistnace from:

Emergency Medical Service	Ext 5-7736
Guard Headquarters	Ext 5-6615
Industrial Hygiene & Safety	Ext 5-3440

(4) The emergency coordinator shall then notify immediately by telephone at least one preson below, listed in the calling sequence:

R.D. Rosenberg Environmental Coordinator	Ext 5-2689	HM: 646-2392
R.C. Weiss, Director, Facilities & Seravices	Ext 5-4489	HM: 295-0781

(5) The Emergency Coordinator shall provide the following information to all those notified in paragraph No. 4:

A. Where and when the incident occurred.
B. What medium received the release (air, surface waters, ground).
C. What chemical or material was involved and quantities spilled.
D. The time or duration of release.
E. Extent of injuries or damages to persons or properties.
F. Emergency action being taken (evacuation, fire suppression, etc.)
G. Reason for the incident.
H. Corrective actions in preparation.

In addition to immediate oral notification, the Coordinator shall provide the above information in writing to the person notified in paragraph No. 4.

(6) Based upon the information provided, the Emergency Coordinator for the East Hartford Facility will determine whether or not the incident is reportable under federal or state regulation and if reportable notify the appropriate agencies listed in paragraph 7, Legal Counsel and Public Relations.

Public Relations	Mary Ellen Jones	Ext 5-7413	HM: 203-349-1050
Legal Counsel	Michael O. Brown	Ext 5-2846	HM: 203-349-1973

(7) In the event of a reportable incident, the applicable agencies from the following list will be notified immediately by telephone by the Emergency Coordinator.

Agency	Phone Number
National Response Center	800-424-8802
Department of Environmental Protection Oil and Chemical Spill Section	203-566-3338
East Hartford Local Emergency Planning Committee	203-291-7100 or 9-911
State of Connecticut Emergency Response Commission	203-566-4856
U.S. Coast Guard	203-773-2464
Hartford Hospital	203-524-2525

(8) The following information shall be provided to the agencies notified in paragraph No. 7 above.

A. Name and telephone number of the reporter.
B. Name and address and telephone number of facility.
C. Time, duration, and type of incident (E.G. oil, chenical, or hazardous waste).

D. Name and quantity of material(s) involved, to the extent known.
E. The media or medium to which the release occurred.
F. Extent of injuries if any,

G. The possible hazards to human health, or the environment outside the facility.
H. What corrective action is being taken.

(9) As soon as practical after an incident, a written report documenting the nature of the incident shall be completed by the environmental protection group, reviewed by division counsel and forwarded to the Department of Environmental Protection. The reporting form for this notification may be found at the end of Exhibit A. Depending upon the type of incident, additional written reports may also need to be prepared and submitted to other agencies as outlined in Exhibit A.

(10) Addresses of Emergency Coordinators listed under paragraph No. 2.

William Chudzik	66 Holl Street Manchester, CT 06040 203-649-6007
Joseph Stramodo	4 Val Court Wolcott, CT 06716 203-879-9866
Timothy Lorette	46 Stanavage Rd. Colchester, CT 06415 203-537-0089
George Jordan	18 Patricia Dr. Vernon, CT 06066 203-825-9182
Richard Ives	26 Old RT 89 Lebanon, CT 06424 203-423-5298
Jerry Bull	71 Loveland Hill Rd. Apt. 21 Vernon, CT 06066 203-871-1051

C. DESCRIPTIONS AND QUANTITIES OF HAZARDOUS WASTES

1. Compatibility

An important aspect of handling hazardous wastes is separation of incompatible wastes. Many hazardous wastes, when mixed with other wastes or materials can produce effects which are harmful to human health and the environment, such as (1) extreme heat or pressure, (2) fire or explosion, (3) violent reaction, (4) toxic dusts, mists, or gases, or (5) flammable fumes or gases. Table 1 categorizes general waste materials which are incompatible. The mixing of material from one group in Table 1 with material from another group may have the potential consequences noted.

2. Types of Wastes and Hazardous Characteristics

The hazardous wastes handled at the East Hartford facilities have all been identified and characterized in accordance with applicable regulations. The hazardous characteristics of the various wastes fall into one or more of the following categories:

Type of Hazardous Waste	EPA Hazard Code
Ignitable Waste	I
Corrosive Waste	C
Reactive Waste	R
Toxic Waste	T

Table 2 has been prepared to show the various waste streams, each of which may contain several different constituents having the same hazard code(s). This table presents a general description of the waste, the hazardous characteristics, the hazard code, and the materials comprising each waste stream so that, when the Contingency Plan is implemented, the potential hazards for each situation can be readily assessed.

3. Material Identification

Materials and solutions used in the P&W East Hartford facility are identified by specific control numbers and markings. This marking system consists of PMC, PWA & PS identification systems. PMC - Process Material Control Number; PWA - Pratt & Whitney Aircraft number; and PS - Process Solution Number. This information is contained in a hard bound book available to all fire department personnel, Emergency Coordinators and other staff. This information is also available in the computer data base. Normally, materials are stored in specific areas of the plant. The Pratt & Whitney Fire Department and the Environmental Protection Group staff have knowledge of these identification systems and storage areas which will help in the assessment of hazards.

TABLE 1

INCOMPATIBLE WASTE

Group 1-A	Group 1-B
Acetylene Sludge	Acid Sludge
Alkaline Caustic Liquids	Acid and Water
Alkaline Cleaner	Battery Acid
Alkaline Corrosive Liquids	Chemical Cleaners
Alkaline Corrosive Battery Fluid	Electrolyte, Acid
Caustic Wastewater	Etching Acid Liquid or Solvent
Lime Sludge & Corrosive Alkalies	Pickling Liquor and Corrosive Acids
Lime Wastewater	Spent Acid
Lime and Water	Spent Mixed Acid
Spent Caustic	Spent Sulfuric Acid

Potential Consequences: Heat Generation, Violent Reaction

Group 2-A	Group 2-B
Aluminum	Any Waste in Group 1-A or 1-B
Beryllium	
Calcium	
Lithium	
Magnesium	
Potassium	
Sodium	
Zinc Powder	
Other Reactive Metals & Metal Hydrides	

Potential Consequences: Fire, Explosion, Generation of Flammable Hydrogen Gas

Group 3-A	Group 3-B
Alcohols	Any Concentrated Wastes in Groups 1-A or 1-B
Water	Calcium
	Lithium
	Metal Hydrides
	Potassium
	Other Water Reactive Waste

Potential Consequences: Fire, Explosion, Heat Generation, Generation of Flammable or Toxic Gases

TABLE 1 (Cont'd)

INCOMPATIBLE WASTE

Group 4-A	Group 4-B
Alcohols	Concentrated Group 1-A or 1-B Waste
Aldehydes	Group 2-A Waste
Halogenated Hydrocarbons	
Nitrated Hydrocarbons	
Unsaturated Hydrocarbons	
Other Reactive Organic Compounds & Solvents	

Potential Consequences: Fire, Explosion, or Violent Reaction

Group 5-A	Group 5-B
Spent Cyanide & Sulfide Solutions	Group 1-B Waste

Potential Consequences: Generation of Toxic Hydrogen Cyanide or Hydrogen Sulfide Gas

Group 6-A	Group 6-B
Chlorates	Acetic Acid & Organic Acids
Chlorine	Concentrated Mineral Acids
Chlorites	Group 2-A Waste
Chromic Acids	Group 4-A Waste
Hypochlorites	Flammable & Combustible Waste
Nitrites	
Nitric Acid, Fuming	
Perchlorates	
Permanganates	
Peroxides	
Other Strong Oxidizers	

Potential Consequences: Fire, Explosion, or Violent Reaction

TABLE 2
HAZARDOUS WASTE CHARACTERISTICS

Waste Stream	EPA Designations: Characteristics	Hazard Code	General Description	Contains
A	Toxic	T	Spent halogenated solvents	Tetrachloroethylene 1,1,1-Trichloroethane Trichlorotrifluoro-ethane
B	Ignitable and Toxic	I,T	Spent non-halogen-ated solvents	Acetone Benzene Methyl Ethyl Ketone Toluene Xylene
C	Corrosive	C	Non-listed waste exhibiting the characteristic of corrosivity	Acids, Alkalies
D	Reactive	R	Cyanide waste solutions; sulfur solids and alumi-num oxide powder	Sodium Cyanide Copper Cyanide Sulfur Solid Aluminum Oxide
E	Toxic	T	Wastewater treat-ment plant sludge from electroplating operations	Metal Hydroxides
F	Ignitable	I	Discarded nitric acid solutions greater than 40%	Nitric Acid
G.	Miscellaneous Corrosive, Ignitable, and Toxic	I,T,C	Discarded or spilled chemical products	Acids, Alkalies Solvents, Oxidizers

Hazard Code Key

I - Ignitability (Solvents)
- Liquid with a flash point below 60°C (140°F)

C - Corrosivity (Acids, Alkalies)
- Aqueous material with pH less than or equal to 2 or greater than or equal to 12.5

R - Reactivity (Cyanide bearing wastes)
- Cyanide or sulfide wastes which, when exposed to pH conditions between 2 and 12.5, can generate toxic gasses, vapors, or fumes.

T - Toxicity (Acids, Organics, Solvents, etc.)
- These categories include a wide variety of organics and inorganic materials toxic to man by either short-term or long-term exposure as listed in federal regulations; a limited number of such wastes are generated at Pratt & Whitney.

The Fire Department Dispatcher, in addition to having the PMC, PWA & PS reference manuals and this document has trade name cross-reference manuals, Chris Manuals, the Full NFPA and F.M. Data Code Sheets, as well as an extensive library of other reference materials.

All tanks and containers used for storage of hazardous waste are clearly marked and labeled. The markings and labels provide information which may be used to obtain additional detailed information regarding the constituents present in the waste. In addition, wastes are typically stored in specific areas of the site as discussed previously.

Appendix B contains a consolidated list of covered substances. This list indicates reportable quantities, whether the substance is an Extremely Hazardous Substance, whether it is Toxic, and whether it is a CERCLA substance.

D. EMERGENCY RESPONSE PROCEDURES

1. Implementation

The decision to initiate an emergency response, "Notification of the Fire Department Dispatcher", is made by the "Initial Observer" upon immediate awareness of a spill, release, fire or explosion, regardless of how small or large. The "Initial Observer" provides the Dispatcher with the information called for in Section B.2.A, Page B-2 "Duties and Responsibilities of the Initial Observer" and this section.

The Fire Department dispatcher will immediately dispatch an Incident Commander. Upon arriving at the scene, the Incident Commander immediately assesses the situation and makes the decision to what extent emergency response should be implemented based upon the criteria provided in this section.

The Fire Department Incident Commander has the authority to commit the resources required to carry out emergency hazardous waste responses and implement the Contingency Plan. All personnel involved in hazardous waste management, identified as a participant in the implementation of the Contingency Plan, as well as key management personnel have been provided with copies of the Contingency Plan as well as training in the implementation of the Contingency Plan.

The Incident Commander may implement the Contingency Plan if the following conditions exist:

- Fire
- Explosion
- Imminent danger of a Fire and/or Explosion involving hazardous wastes resulting in the;
  - igniting of hazardous wastes
  - release of toxic material
- A spill that could result in release of flammable liquids or vapors, thus causing a fire and explosion hazard.
- Spills that could cause the release of toxic liquids or fumes and harm employees.

- A spill that can be contained on site, but the potential exists for ground water contamination.

- A spill that cannot be contained on site, resulting in off-site soil contamination and/or ground or surface water pollution.

- A major spill or material release.

The quantity of a release that may trigger implementation of the Contingency Plan is developed based on the reportable quantities of hazardous wastes listed in 40 CFR 302.4.

For purposes of complying with the notification requirements of Section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, the reportable quantities (RQ) contained in 40 CFR 302.4 will be utilized.

Other factors that are considered prior to the implementation of emergency procedures are:

- Past experience
- Specific process operation
- Location
- Inherent danger of release
- Ability to contain and mitigate
- Minimize hazards to human health and the environment

Once the Incident Commander has determined that an emergency situation exists, warranting full implementation of the Contingency Plan, the Fire Department Dispatcher will become the communications center handling all requests for assistance and notification. As necessary and when appropriate Pratt & Whitney's Mobile Incident Command Center will be brought to the scene. This center has full multi-line telephone communication capabilities and multi-channel two-way radio communication capabilities.

A. Notification Procedures

Upon notification of the Pratt & Whitney Fire Department Dispatcher, by an employee, of a spill release and/or an imminent or actual hazardous waste related emergency situation, fire or explosion, an Incident Commander will be dispatched immediately to the scene. Upon arriving on the scene of the hazardous waste spill, release or related emergency, the Incident Commander will assess the situation; he will don the appropriate personal protective equipment; and he will institute the appropriate containment and response procedures as defined elsewhere in this section.

He will, as necessary, call in additional Pratt & Whitney Fire Department personnel and Waste Treatment personnel to provide assistance and, as necessary, any additional staff resources from the departments and divisions identified in Section B.

The security staff will keep unnecessary and unauthorized personnel clear of the hazardous waste spill, release or emergency. The Incident Commander will review the affected areas operations with the area supervisor and shutdown or reduce the level of the operations if necessary. If necessary the area will be evacuated. Facility operations not affected will continue as normal.

In the affected area, the security staff is responsible for checking the safety and accountability of all personnel. Any injured or missing employees shall be reported to the Medical Department, Emergency Coordinator, and Environmental Coordinator for appropriate action.

The Pratt & Whitney Fire Department Fire Chief will be in charge of communications or designate the Incident Commander to take charge. Facility personnel, East Hartford Fire and Police Departments, will be notified after the Pratt & Whitney Fire Chief gives approval. Pages B-6 to B-8 contain the names and telephone numbers of the internal and external contacts, that the facility will notify if necessary.

The Emergency Coordinator is responsible for notifying appropriate federal and state agencies remediation vendors if their help is needed. The Emergency Coordinator will coordinate with the Environmental Coordinator all clean-up activities.

If the Incident Commander determines that there is a threat to human health or the environment, he will immediately notify the Pratt & Whitney Fire Department Dispatcher to notify the Pratt & Whitney Security Force, the area supervisor, the Emergency Coordinator and Manager of Environmental Protection. The Security Force will evacuate the area. If the Incident Commander determines that there exists a threat to neighboring properties and the evacuation of the areas outside of the facility boundary may be required, he will relay this information to the Pratt & Whitney Fire Chief. The Pratt & Whitney Fire Department Dispatcher will then notify the East Hartford Fire Department Emergency Dispatcher. Decisions to notify abutting properties will be made by the Chief of the East Hartford Fire Department. The National Response Center will also be notified by the Emergency Coordinator.

The National Response Center is provided with the following information:

- The name and telephone number of the reporter
- The name and address of the facility
- The time and type of incident
- The name and quantity of material(s) involved, to the extent known

- The extent of injuries, if any
- The possible hazards to human health, or the environment, outside the facility.
- Containment and removal efforts.

All regulatory agencies notified verbally of a spill or release will receive a written follow-up report. The report format for a "Report of Spill Event" is contained in Appendix A of this document. The Emergency Coordinator will be responsible for these notifications and report preparation.

B. Identification of Hazardous Materials

The Incident Commander, immediately identifies pertinent information about the hazardous waste spill and/or release (i.e., character, source, amount, extent, etc.). This identification involves visual analysis and investigating the location and nature of the spill.

The most likely types of hazardous waste spills that could occur at Pratt & Whitney, are: solid hazardous waste spills, liquid hazardous waste spills, and raw materials or product spills. The Incident Commander has knowledge of the hazardous wastes and materials used at the various locations within the facility, and has access to the hazardous chemicals reference list (Appendix B), Pratt & Whitney marking and labeling identification systems, and other resources which readily aid him in a quick and accurate identification of the waste involved and the associated hazards.

C. Hazard Assessment

Possible direct and/or indirect hazards to human health and/or the environment are assessed by the Incident Commander with assistance, as necessary, from the Emergency Coordinator and/or Environmental Protection Department staff members.

The Incident Commander assesses the situation for possible hazards to human health and/or the environment in a number of ways. He may evaluate the likelihood of a fire or explosion by checking possible sources nearby and/or of the operations in the area. He may identify the composition of a spill or accidental release of material by the nature and location of the spill (release). He may also rely on other methods that utilize available materials, consultation with the Environmental Protection Groups, common sense, his experience, and review of MSDSs for the specific chemicals. The Incident Commander's assessment criteria are based upon his training and experience, his knowledge of the operations and activities, the raw products, the wastes, the associated hazards, and the seriousness of the type of incident and consultation with the Emergency Coordinator and Industrial Hygiene and Safety staff.

Past experience and knowledge of the facility shows that there is little or no potential for an adverse impact on persons or property outside this facility in the event of a hazardous waste spill or

release. This is because of the size of the facility and the quantities of hazardous materials handled are controlled. The off-site adverse impact to adjacent properties in the event of a fire or explosion involving ignitable hazardous wastes, is also minimal. Again because of the size of the facility and the response capabilities of the P&W fire protection system and Fire Department.

Should the Incident Commander determine that a threat to human health or the environment does exist, he follows and institutes the notification procedures described in Section B and above.

2. General Hazardous Waste Response Procedures

The following responses are required for any type of incident involving hazardous wastes with a potential threat to persons or the environment, whether due to fire, explosion, spills, or other releases. Immediate action by the first observer to minimize the potential for harmful effects must be followed by timely and proper notifications.

The initial response to any emergency shall be to protect human health and preserve safety. Consequently, the initial observer shall not take undue risks with his or her own personal safety in attempts to limit a release to the environment.

An immediate secondary response shall be to limit damage to the environment. This includes operation of secondary containment facilities and spill countermeasure procedures.

A third priority is clean-up, treatment, and disposal of spilled material. These responses shall be made after the Incident Commander and Emergency Coordinator have identified and assessed the hazards.

A. Response Procedure for Fire and/or Explosion Involving Hazardous Waste

If a fire or explosion involving hazardous waste occurs, the procedures described below should be followed for rapid and safe response and control of the situation.

The initial observer of a fire or explosion contacts the Pratt & Whitney Fire Department Dispatcher, EXTENSION 5-1111, at the earliest possible moment and provides the Dispatcher with the following information:

- Name of person reporting and telephone number.
- Where the incident is located.
- What the nature of the emergency is.
- What material is involved (if known).

- How much material is involved (if known).
- What corrective action has been taken if any.
- Whether personnel injuries are involved.
- Whether a spill or release has occurred or is threatening to occur.

In addition if a fire or explosion has occurred, the following response actions are initiated:

a. The fire alarm shall be sounded.

b. The building shall be evacuated in accordance with the evacuation plan presented in Appendix C.

c. If possible without risk of personal injury, fire extinguishers shall be used to fight fires until the fire department arrives.

The Pratt & Whitney Fire Department Incident Commander and/or Fire Chief then assess the character, exact source, amount, and extent of hazard associated with the fire or explosion. The appropriate P&W internal departments, management and authorities are notified as described in Section B. Outside emergency response agencies will be contacted as necessary and as appropriate by the Fire Chief or Emergency Coordinator as outlined in Section B.

The Incident Commander will choose the fire extinguishing equipment to be used in consultation with the Emergency Coordinator and Industrial Hygiene and Safety. Fire fighting procedures will be directed at the scene by the Pratt and Whitney Fire Department under the direction of the responding Incident Commander and/or the P&W Fire Chief.

The Incident Commander in consultation with the Emergency Coordinator and Industrial Hygiene and Safety will determine the appropriate personnel protection and safety equipment to be utilized. The selection of Emergency Response equipment is based upon the incident, past experience and knowledge of the specific operation.

Action to prevent the recurrence or spread of fires/explosions or releases shall include stopping processes and operations, collecting and containing released wastes, temporarily cleaning the area using sand or inert materials, covering all manholes and/or storm drains, and recovering or isolating containers.

Fire fighting equipment and vehicles can easily reach all buildings and hazardous waste storage areas at the facility. Asphalt surfaced roads allow for easy access to all areas.

The Pratt & Whitney full time Fire Department will fight all fires and respond to all explosions with its full complement of fire-fighting equipment. The East Hartford Fire Department, when contacted by the P&W Fire Chief, will respond to the scene as directed and will provide support and assistance as needed under the direction of the P&W Fire Chief.

Existing fire equipment, fire hoses and fire hydrants located throughout the site are maintained and inspected regularly. Many of the structures on-site, including the Centralized Waste Storage and Transfer Facility, have automatic sprinkler systems for immediate response to fire.

The Incident Commander has available to him explosive and oxygen meters, the Aims 300 gas analyzer, Drager tubes, etc.

B. Response Procedures for Spills or Releases of Hazardous Wastes

In the event of a release of hazardous waste to the environment, the following procedures should be implemented for rapid and safe response to contain, limit, and clean up the spill.

The Fire Department Dispatcher, EXTENSION 5-1111 shall be contacted to activate the Emergency Reporting Procedure as soon as possible. In addition, all actions taken to contain, limit, and clean up a spill shall be undertaken with care and good judgement to avoid risk or injury to personnel and minimize the impact on the environment.

Provide the Dispatcher with the following information:

- Name of person reporting and telephone number.
- Where the incident is located.
- What the nature of the emergency is.
- What material is involved (if known).
- How much material is involved (if known).
- What corrective action has been taken if any.
- Whether personnel injuries are involved.
- The direction in which the spill, vapor, or release is heading.
- Whether a fire or explosion has occurred or is imminent.

The Incident Commander then assesses the character, exact source, amount, and extent of any released materials or chemical spill. The Incident Commander in consultation with the Emergency Coordinator and Industrial Hygiene and Safety selects the appropriate personal protective safety gear and equipment.

The Incident Commander takes all reasonable measures to prevent a spill or other release of hazardous materials from spreading to other areas. A variety of containment measures equipment and staff resources are available at the facility. The one(s) chosen depends on the nature of the release. Specific procedures for releases that would occur are as follows:

a. Acids

(1) Eliminate source of spill if possible, without risk.

(2) Dike spill area with sodium bicarbonate and cover all manholes and storm drains in the area.

(3) Remove incompatible materials.

(4) Remove objects in spill area that have not yet been contacted.

(5) Soak up spilled material with sodium bicarbonate and remove for treatment or storage.

(6) After all sodium bicarbonate has been removed, rinse spill area with water collecting rinsewater for disposal.

b. Alkalies

(1) Solid Material (Including Industrial Wastewater Treatment Plant Sludge)

- Eliminate source of spill if possible, without risk.
- Pick up spilled material and remove for treatment.
- Rinse spill area and any contacted objects with water, collecting rinswater for disposal.

(2) Liquid Material

- Eliminate source of spill if possible, without risk.
- Dike spill area with soda ash and cover all manholes and storm drains in the area.
- Remove incompatible materials.

- Remove objects which have not been contacted.
- Soak up spill with soda ash and remove for treatment or storage.
- After removing soda ash, rinse spill area with water collecting rinsewater for disposal.

c. Cyanides

CAUTION: Contact with acids will cause cyanide salts or their solutions to generate hydrogen cyanide gas which is extremely toxic and flammable.

Hydrogen cyanide gas can cause instantaneous loss of consciousness and death.

(1) Eliminate source of spill if possible, without risk.

(2) Dike spill area with soda ash and cover manholes and storm drains in the area.

(3) Remove incompatible materials.

(4) Remove objects in spill area that have not yet been contacted.

(5) Soak up spilled material with soda ash and remove for treatment. If solution is too strong for in-plant treatment, place in cyanide storage tank. Be sure all contacted material is removed for treatment.

d. Wax/Solvent, Oil/Solvent, Solvents, Paints

(1) Eliminate source of spill if possible, without risk.

(2) Remove sources of ignition.

(3) Dike spill area with sawdust and dike or cover all manholes and storm drains in the area.

(4) Remove incompatible materials.

(5) Remove objects in spill area that have not been contacted.

(6) Soak up spilled material with sawdust. Remove for off-site disposal.

e. Container Spills and Leaks

Hazardous waste containers are stored in the Centralized Waste Storage and Transfer Facility (CWS&TF) and in five of the six (6) less than 90 storage areas identified in Section A.5. The area designated, CWTP-3, consists of three underground storage tanks. No containers are stored in this location.

All hazardous waste containers in these areas are inspected for corrosion, structural defects, and leakage. If a container holding hazardous waste is not in good condition or if it shows signs of beginning to leak, steps will be taken to orient the container so as to minimize the potential for leakage, after which the hazardous waste will either be transferred to a container in good condition, or the container will be recontainerized in an overpack.

If the leaking container is a drum, (all drums containing hazardous waste are stored in the CWS&TF and are palletized) a fork lift truck will remove any drums preventing access to the leaking drum . The leaking drum will then be transferred by fork lift to the staging area to allow for the safe transfer of the contents of the leaking drum to another drum or to allow the drum to be overpacked.

At a minimum, Level D personal protective equipment will be used for these procedures.

f. Notification/Coordination

The procedures for notifying key plant officials, other departments (i.e. Security, Industrial Health, etc.) regulatory agencies and remediation vendors are described in Section B.

g. Cleanup

Following the above described containment and countermeasures should ensure a quick cleanup that minimizes the impact upon human health and the environment. After responding to the emergency and prior to resuming operations in the affected area, the following cleanup inspection procedures should be implemented:

- remove all wastes, equipment and cleanup containers from the area
- inspect the area for the presence of visible residue
- remove any remaining residue with absorbents if necessary
- wash the area with a suitable cleaner

Type of Hazardous Waste	Perferred Cleaning Solution
Inorganic acids, metal processing wastes	Sodium bicarbonate solution
Oily, greasy, unspecified wastes	Solution capable of dissolving organics
Inorganic bases, alkali, and caustic waste	Dilute acidic solution
Pesticides, fungicides, chlorinated phenols	Hypochlorite solution

Cyanides, and other non-acidic inorganic wastes	Hypochlorite solution
Solvents and organic compounds	Solution capable of dissolving organics and a sodium bicarbonate solution
Heavy metals	Sodium bicarbonate solution

- place all debris and wastes in DOT 17H - 55 gallon drums; separate drums if appropriate
- evaluate and characterize the cleaned up debris and waste based on the raw products used and/or wastes generated at the location
- store and dispose of contaminated debris and waste according to the type of wastes
- inspect the area

3. Evacuation Plan

In the event of a sudden and uncontrollable occurrence such as fire, explosion, or major uncontrollable chemical spill, and if degree of risk precludes making an effort to stop or diminish the effects of the occurrence, the area of the occurrence should be evacuated immediately and in an orderly and efficient manner. An evacuation plan for the waste treatment areas at the East Hartford manufacturing facility is presented in Appendix C. This plan describes how evacuation will be initiated, how employees may exit from plant buildings, and where employees should assemble following evacuation.

4. Post-Emergency Actions

Immediately after an emergency, the Emergency Coordinator shall make arrangements for treatment, storage, or disposal of recovered hazardous waste or any other contaminated material.

For hazardous waste incidents, the emergency coordinator must ensure that in the affected area(s) of the facility:

a. No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed.

b. All emergency equipment is cleaned and fit for its intended use before operations are resumed.

The EPA Regional Administrator, the Commissioner of the CT DEP and appropriate local authorities must be notified that the facility is in compliance with (a) and (b) before operations are resumed. Details of the incident must be recorded in the facility operating record.

5. Post-Emergency Equipment Maintenance

After an emergency, all emergency equipment utilized and potentially exposed to contamination (listed in Section E and Appendix D) is cleaned, decontaminated and deemed ready for its intended use. Depleted stocks of neutralizing/absorbing materials are replenished, protective clothing cleaned and/or replaced, etc. Any wastes generated as a result of decontamination of emergency equipment will be managed as described herein and in accordance with the Waste Analysis Plan for the East Hartford Facility.

E. EMERGENCY EQUIPMENT

1. General

Emergency equipment and resources for response to fires, explosions or any release of hazardous waste which could threaten human health or the environment is provided at strategic locations at the East Hartford plant. Generally, this equipment may be divided into the following categories:

- Security systems and communications
- Fire fighting resources
- Personnel protection equipmnet
- Spill control equipment

Descriptions of emergency equipment and resources are presented in the following paragraphs as well as a brief discussion of emergency equipment testing and maintenance procedures.

2. Security System and Communications

The Pratt & Whitney facility in East Hartford supports a full-time security force. Security at the plant is maintained on a 24-hour per day, seven-day per week basis by the company's own plant protection department. The property and the company's facilities are completely enclosed with six-foot high, steel mesh fence, and all entrance gates are either locked or manned by a plant security guard. During off shifts and weekends when the plant is not operating, the gates are locked and the security guard has a watchman clock that must be punched hourly.

Communication at the plant during emergencies may be established by telephone, the public address system or two-way radios. The public address system provides coverage to the entire facility. Telephones are located throughout the facility as well. Many Fire Department personnel, Emergency Coordinators and Waste Treatment personnel are provided with two-way radios. Locations of communication equipment in the CWS&TF units and the less than 90 day storage areas are presented in Appendix D.

3. Fire Fighting Resources

The Pratt & Whitney facility in East Hartford supports a full-time fire department. The fire department coverage is on a 24 hr/day, 7 day/week basis. In addition, Pratt & Whitney maintains numerous specialized fire and security vehicles for use inside and outside the facility.

Fire fighting equipment located throughout the facility includes sprinklers, fire hydrants, hose houses, and fire extinguishers. The locations and types of fire fighting equipment at the plant are listed

in Appendix D and maps showing their locations are presented in Appendix E and on Figure 4. The P&W Fire Department personnel are intimately familiar with all equipment and locations.

4. Personnel Protection Equipment and Resources

The Pratt & Whitney facility in East Hartford supports a full-time medical staff. Medical staff coverage is on a 24 hour per day, 5 day per week basis with weekend coverage whenever overtime population warrants. One ambulance and a number of specialized emergency vehicles are maintained at the plant for use in medical emergencies.

Personnel protection equipment available throughout the plant to prevent medical emergencies includes the following:

- full protective clothing including face shields, boots, aprons, and gloves
- respirators
- Scott air paks
- emergency showers
- eye wash stations
- personal protection equipment

Locations of personnel protection equipment at the East Hartford plant are listed in Appendix D and maps identifying these locations shown on Figure 4.

5. Spill Control Equipment

Emergency response and Spill control equipment at the East Hartford plant includes the following:

- shovels and rakes
- brooms
- Speedi-Dri
- barrels
- hoses
- wet vacuums
- portable transport tanks
- emergency pumps
- sawdust
- sodium bicarbonate
- oil spill containment cart

A listing of the locations of this equipment at the plant is presented in Appendix D and maps identifying these locations are shown in Appendix E and on Figure 4.

In addition Pratt & Whitney has a mobile van outfitted with hazardous materials response equipment. A listing of the van's equipment is presented in Appendix D. This van is located at Fire Headquarters.

6. Emergency Equipment Testing and Maintenance

All fire/safety equipment is routinely inspected and maintained by the Pratt & Whitney Fire Department according to the National Fire Protection Codes. Equipment includes fire extinguishers and Scott Air Paks which are recharged immediately after use. Records of compliance with the codes are kept by the Fire Department.

As a matter of practice, the other emergency equipment is always replaced after it is used. All materials that are used in emergencies are available at nearby Plant Engineering cribs.

7. Less Than 90 Day Storage Areas

There are several less than 90 day hazardous waste storage areas at the East Hartford Facility. The locations of these areas are identified on the map presented as Figure 5. A description of each location follows:

Location No.	Description
1	Rentschler Airport - Container Storage Building
2	Three 10,000 gallon underground storage tanks (CWTP-3).
3	Experimental Test Area Oil House
4	Main Oil House
5a&b	CWTP-5
6	CWTP-6

The type of waste streams handled at each location are as follows:

Location No.	Description
1	Hazardous and non-hazardous waste oils, waste jet fuels, waste solvents.
2	F002, D001, U228, U220 - waste oils
3	Waste Oils and Solvents
4	Waste Oils and Solvents, Bulk Solids from Remediation

5a All waste types except ignitibles in containers

5b Equipment decontamination solutions in tanks

6 All waste types except ignitibles in containers

The following safety and emergency response equipment will be located near-by each of the less than 90 day storage areas. This equipment will be inspected weekly to ensure that it is maintained in good working condition:

A) Spill Control Equipment

1) Shovels, Rakes, and Brooms
2) Barrels
3) Sawdust and Absorbent Material

B) Communication Equipment

1) Telephone

C) Fire Extinguishing Equipment

1) 6 lb. ABC

D) Personnel Safety Equipment

1) Full protective clothing, face shield, boots, aprons, gloves

2) Eye Wash Station

F. Incident Reporting Requirements

Within 15 days after the occurrence of an incident requiring the implementation of this Contingency Plan a written report in accordance with the reporting requirements and format described in Appendix A will be prepared and submitted to the EPA Regional Administrator and Commissioner of DEP as well as any other agencies verbally notified of the incident. These reports will be prepared by the Emergency Coordinator and will include:

- Name, address and telephone number of the owner or operator
- Name, address and telephon e number of the facility
- Date, time and type of incident
- The extent of injuries, if any
- An assessment of actual or potential hazards to human health or the environment
- Estimated quantity and disposition of recovered material that resulted from the incident.

G. COORDINATION AGREEMENTS

Pratt & Whitney has been a member of the community of East Hartford, Connecticut for over 60 years, and throughout that time there has been a verbal reciprocal arrangement between Pratt & Whitney and the Town of East Hartford to respond with security, fire or medical personnel and equipment whenever either might request assistance.

Formal arrangements have been made as necessary to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous wastes handled, entrances and roads inside the facility, normal working places and possible evacuation routes. The Contingency Plan has been distributed to the following agencies:

Town of East Hartford Police Department
Town of East Hartford Fire Department
Hartford Hospital
East Hartford Local Emergency Planning Committee

H. AMENDMENT AND DISTRIBUTION OF THE PLANS

1. Contingency Plan

This document will be reviewed and immediately amended, if necessary, whenever:

(a) Applicable regulations are revised.

(b) The plan fails in an emergency

(c) The facility changes in its design, construction, operation, maintenance or other circumstances in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents, or changes the response necessary in any emergency.

(d) The list of emergency coordinators telephone numbers and/or address changes.

(e) The list of emergency equipment changes.

Amendments will be distributed to all personnel who receive this plan.

APPENDIX A

Federal, State and Local Agency Notification Requirements

This exhibit contains a summary of the verbal and written notifications which must be made to federal, state and local agencies in the event of a release. It is divided into the following Sections:

(1) Any Release/Incident
(2) Hazardous Waste Release/Incident
(3) CERCLA and/or EHS Release

Part (a) of each section contains verbal notification requirements and part (b) of each section contains written notification requirements.

It should be noted that Section (1) must be followed any time there is a release or incident involving, chemicals, waste, etc., while Sections (2) & (3) must be reviewed independently for applicability. If applicable, the requirements of Sections (2) & (3) must be completed in addition to the requirements of Section (1).

For further information or clarification of the reporting requirements, see the regulation referenced at the end of each section.

(1) ANY RELEASE/INCIDENT

a) Any incident involving the discharge, spillage, uncontrolled loss or seepage of any, chemical product (solid, liquid or gas) or hazardous waste must be reported immediately to:

The Department of Environmental Protection at 203-566-3338 (This number is answered by the Connecticut State Police at times other than normal business hours).

b) As soon as practical after an incident, a written report documenting the nature of the incident shall be completed by the Environmental Protection Group, reviewed by Division Counsel, and forwarded to:

The Department of Environmental Protection
Waste Management Bureau
Oil and Chemical Spill Section
165 Capitol Avenue
Hartford, CT 06106

The form at the end of this exhibit may be used to make this report.

REFERENCE: CT Clean Water Act 22a-450

(2) HAZARDOUS WASTE RELEASE/INCIDENT

a) In addition to the notifications made under (1), any spill or release of a hazardous waste which exceeds the reportable quantity (RQ) for that waste must be reported immediately to:

The National Response Center at 800-424-8802

Hazardous wastes on the CERCLA list have the RQ's given on the list. (A combined CERCLA and EHS list with RQ's is available in the Environmental Protection Group.) All other hazardous wastes not on the CERCLA list have RQ's of 100 pounds, except for wastes which exhibit the characteristic of toxicity. Toxic wastes have the RQ's listed on the CERCLA table for the contaminant on which the characteristic of EP toxicity is based. The RQ applies to the waste itself, not merely to the toxic contaminant. (If more than one RQ applies, always use the lowest.)

If the emergency coordinator determines that the facility has had a release, fire or explosion that could threaten human health or the environment outside the facility, this should also be reported immediately to:

East Hartford Local Emergency Planning Committee
at 203-289-2781

b) Within 15 days after the incident requiring implementation of the Contingency Plan, a written report on the incident must be submitted to the EPA Regional Administrator and the Commissioner of the DEP. The report must include:

- Name, address and telephone number of the owner or operator
- Name, address and telephone number of the facility
- Date, time and type of incident
- The extent of injuries, if any
- An assessment of actual or potential hazards to human health or the environment
- Estimated quantity and disposition of recovered material that resulted from the incident.

REFERENCES: CERCLA - 40 CFR Part 302
Federal Hazardous Waste Regs. - 40 CFR Part 264 Subpart D
Connecticut Hazardous Waste Regs. - 22a-449(c)-26

(3) CERCLA AND/OR EHS RELEASE

a) In addition to the notifications made under (1), any release of a substance that is a CERCLA hazardous substance and/or an extremely hazardous substance (EHS) that exceeds the reportable quantity (RQ) for that substance must be reported immediately as follows:

(i) CERCLA and EHS

- Notify the National Response Center at 800-424-8802

- If the release poses a risk of exposure beyond the facility boundary, notify the State Emergency Response Commission at 203-566-4633 and the East Hartford Local Emergency Planning Committee at 203-289-2781

(ii) CERCLA Only

Same as (i) above

(iii) EHS Only

If the release poses a risk of exposure beyond the facility boundary, notify the State Emergency Response Commission at 203-566-4633 and the East Hartford Local Emergency Planning Committee at 203-289-2781

A combined CERCLA and EHS list with RQ's is available in the Environmental Protection Group (see attached list).

b) As soon as practicable after a release which required notification of the State Emergency Response Commission and the Local Emergency Planning Committee, a written follow-up notice must be sent to both groups. The written notice must contain:

- Facility name and location
- Name of chemical or substance involved in release
- Indication of whether the substance is an EHS
- Estimate of the quantity released to the environment
- Time and duration of the release
- Medium or media into which the release occurred
- Any known or anticipated acute or chronic health risks associated with the release
- Precautions taken as a result of the release including evacuation
- Actions taken to contain the release
- Where appropriate, advice regarding medical attention necessary for exposed individuals

REFERENCES: CERCLA - 40 CFR Part 302
Emergency Planning and Notification - 40 CFR Part 355

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
State Office Building Hartford, Connecticut 06106

REPORT OF PETROLEUM OR CHEMICAL PRODUCT
DISCHARGE, SPILLAGE, SEEPAGE, FILTRATION

The following information is submitted concerning petroleum or chemical product discharge reported verbally to the Department of Environmental Protection/State Police at _____

on _____ at _____ by _____
(date) (time) (name)

1. Time and date of discharge, spillage, etc.

_____

2. Location, to include name of town, river, highway, distance from intersection, etc. of the pollution or contamination.

_____

_____

3. Type of oil, petroleum or chemical pollutant or contaminant.

_____

4. Quantity of discharge, spillage, seepage, filtration.

_____

5. Cause of pollution or contamination:

   a. Type of vessel, vehicle, containers, etc., which contained the pollutant or contaminant _____

   _____

   b. Describe in detail what actually occurred to cause discharge, spillage, seepage, filtration.

   _____

   _____

c. If pollutant of contamination was a result of discharge, spillage, seepage, filtration from a moving vessel or vehicle, give location of departure and destination.

_____

_____

_____

6. Name and address of owner of ship, boat or other vessel, terminal, establishment, vehicle, trailer or machine causing such pollution or contamination.

_____

_____

_____

7. Name and address of person making this report.

_____

8. Title, or relationship to owner, of person making report.

_____

All statements contained herein are true to the best of my knowledge.

_____
Signature of Person Making Report

DEPT. OF ENVIRONMENTAL PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
OIL & CHEMICAL SPILLS SECTION
STATE OFFICE BUILDING
HARTFORD, CONNECTICUT 06106

APPENDIX B

Consolidated Chemical List of Covered Substances

Consolidated Chemical List
(Alphabetical Listing)

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
K043	–	2,6-DICHLOROPHENOL WASTE FROM 2,4-D PROD.	10	–	–	–	–	•	†
K064	–	ACID PLANT BLOWDOWN SLURRY/SLUDGE FROM PRIMARY COPPER PRODUCTION	1	–	–	–	–		†
K060	–	AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS	1	–	–	–	–	•	†
K051	–	API SEPARATOR SLUDGE FR. PETROLEUM REFINING INDUSTRY	1	–	–	–	–	•	†
K021	–	AQUEOUS SPENT ANTIMONY CATALYST WASTE FR. FLUOROMETHANES PROD.	10	–	–	–	–	•	†
K013	–	BOTTOM STREAM FROM ACETONITRILE COLUMN IN PRODUCTION OF ACRYLONITRILE	10	–	–	–	–	•	†
K011	–	BOTTOM STREAM FROM WASTEWATER STRIPPER IN PRODUCTION OF ACRYLONITRILE	10	–	–	–	–	•	†
K014	–	BOTTOMS FROM ACETONITRILE PURIF. COLUMN IN PROD. OF ACRYLONITRILE	5000	–	–	–	–	•	†
K071	–	BRINE PURIF. MUDS FR. MERCURY CELL PROCESS IN CHLORINE PROD. EXCEPT..	1	–	–	–	–	•	†
K031	–	BY-PRODUCT SALTS GENERATED IN PROD. OF MSMA AND CACODYLIC ACID	1	–	–	–	–	•	†
K027	–	CENTRIFUGE AND DISTILLATION RESIDUES FR. TOLUENE DIISOCYANATE PROD.	10	–	–	–	–	•	†
K073	–	CHLORINATED HYDROCARBON WASTE FR. PURIF. STEP OF ... IN CHLORINE PROD	10	–	–	–	–	•	†
K107	–	COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PROD. OF 1,1-DIMETHYLHYDRAZINE (UDMH) FR. CARBOXYLIC ACID HYDRAZINES	10	–	–	–	–	•	†
K030	–	COLUMN BOTTOMS/HEAVY ENDS FR. COMBO PROD. TRI- AND PER-CHLOROETHYLENE	1	–	–	–	–	•	†
K104	–	COMBINED WASTEWATER STREAMS GEN. NITROBENZENE/ANILINE CHLOROBENZINES	10	–	–	–	–	•	†
K108	–	CONDENSED COLUMN OVERHEADS FR. PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FR. PROD. OF 1,1-DIMETHLHYDRAZINE (UDMH) FR. CARBOXYLIC HYDRAZINES	10	–	–	–	–	•	†
K110	–	CONDENSED COLUMN OVERHEADS FR. INTERMEDIATE SEPARATION FR. PROD. OF 1,1-DIMETHYLHYDRAZINE (UDMH) FR. CARBOXYLIC HYDRAZINES	10	–	–	–	–	•	†
F025	–	CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FR. PROD. OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES	1	–	–	–	–	•	†
K113	–	CONDENSED LIQUID LIGHT ENDS FR. PURIF. TOLUENEDIAMINE IN PROD. VIA...	10	–	–	–	–	•	†
K087	–	DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS	100	–	–	–	–	•	†
F027	–	DISCARDED,UNUSED FORMU.W/ TRI,TETRA,PENTACHLOROPHENOLS OR DERIVATIVES	1	–	–	–	–	•	†
K048	–	DISSOLVED AIR FLOTATION (DAF) FLOAT FR. PETROLEUM REFINING INDUSTRY	1	–	–	–	–	•	†

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
K022	–	DISTILLATION BOTTOM TARS FR. PROD. OF PHENOL/ACETONE FR. CUMENE	1	–	–	–	–	•	†
K096	–	DISTILLATION BOTTOMS FR. PROD. 1,1,1-TRICHLOROETHANE	100	–	–	–	–	•	†
K025	–	DISTILLATION BOTTOMS FR. PROD. NITROBENZENE BY NITRATION OF BENZENE	10	–	–	–	–	•	†
K024	–	DISTILLATION BOTTOMS FR. PROD. PHTHALIC ANHYDRIDE FR. NAPHTHALENE	5000	–	–	–	–	•	†
K094	–	DISTILLATION BOTTOMS FR. PROD. PHTHALIC ANHYDRIDE FR. ORTHO-XYLENE	5000	–	–	–	–	•	†
K082	–	DISTILLATION BOTTOMS FROM ANILINE EXTRACTION	100	–	–	–	–	•	†
K009	–	DISTILLATION BOTTOMS FROM PRODUCTION OF ACETALDEHYDE FROM ETHYLENE	10	–	–	–	–	•	†
K023	–	DISTILLATION LIGHT ENDS FR. PROD. PHTHALIC ANHYDRIDE FR. NAPHTHALENE	5000	–	–	–	–	•	†
K093	–	DISTILLATION LIGHT ENDS FR. PROD. PHTHALIC ANHYDRIDE FR. ORTHO-XYLENE	5000	–	–	–	–	•	†
K085	–	DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM CHLOROBENZENE PROD.	10	–	–	–	–	•	†
K010	–	DISTILLATION SIDE CUTS FROM PRODUCTION OF ACETALDEHYDE FROM ETHYLENE	10	–	–	–	–	•	†
	–	DISTILLATION TAR RESIDUES FR. ANILINE-BASED COMPOUNDS VET. PHARMACEUT	1	–	–	–	–	•	†
.008	–	ELECTROPLATING BATH SLUDGES FROM BOTTOMS USING CYANIDES	10	–	–	–	–	•	†
K091	–	EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUM PRODUCTION	1	–	–	–	–	•	†
K090	–	EMISSION CONROL DUST OR SLUDGE FROM FERROCHROMIUM SILICON PROD.	1	–	–	–	–	•	†
K061	–	EMISSION CONTROL DUST/SLUDGE FR. PRIM. PROD. STEEL IN ELEC. FURNACES	1	–	–	–	–	•	†
K069	–	EMISSION CONTROL DUST/SLUDGE FR. SECONDARY LEAD SMELTING	1	–	–	–	–	•	†
K039	–	FILTER CAKE FR. FILTR. DIETHYLPHOSPHORODITHIOIC ACID IN PHORATE PROD.	10	–	–	–	–	•	†
K034	–	FILTER SOLIDS FR. FILTR. HEXACHLOROCYCLOPENTADIENE IN CHLORDANE PROD.	10	–	–	–	–	•	†
K050	–	HEAT EXCHANGER BUNDLE CLEANING SLUDGE FR. PETROLEUM REFINING INDUSTRY	10	–	–	–	–	•	†
K096	–	HEAVY ENDS FR. HEAVY ENDS COLUMN FR. PROD. 1,1,1-TRICHLOROETHANE	100	–	–	–	–	•	†
K019	–	HEAVY ENDS FROM DISTILLATION IN PRODUCTION OF ETHYLENE DICHLORIDE	1	–	–	–	–	•	†
K020	–	HEAVY ENDS FROM DISTILLATION IN PRODUCTION OF VINYL CHLORIDE MONOMERS	1	–	–	–	–	•	†
K018	–	HEAVY ENDS FROM FRACTIONATION COLUMN IN PRODUCTION OF ETHYL CHLORIDE	1	–	–	–	–	•	†
K016	–	HEAVY ENDS OR DISTILLATION RESIDUES FROM PROD.OF CARBON TETRACHLORIDE	1	–	–	–	–	•	†
K115	–	HEAVY ENDS PURIF. TOLUENEDIAMINE IN PROD. VIA HYDROG. DINITROTOLUENE	10	–	–	–	–	•	†
K017	–	HEAVY ENDS(STILL BOTTOMS) FROM PURIF. COLUMN IN PROD. EPICHLOROHYDRIN	10	–	–	–	–	•	†

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
K042	–	HEAVY ENDS/DIST. RESIDUES FR. DIST. TETRACHLOROBENZENE IN 2,4,5-T PR.	10	–	–	–	–	•	†
K116	–	ORGANIC CONDENS. FR. SOLVENT RECOVERY COLUMN TOLUENE DIISOCYANATE VIA	10	–	–	–	–	•	†
K008	–	OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS	10	–	–	–	–	•	†
K047	–	PINK/RED WATER FROM TNT OPERATIONS	10	–	–	–	–	•	†
K103	–	PROCESS RESIDUES FROM ANILINE EXTRACTION FROM ANILINE PROD.	100	–	–	–	–	•	†
FO24	–	PROCESS WASTES FR. PROD. OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES	1	–	–	–	–	•	†
K111	–	PRODUCT WASHWATERS FROM PROD. DINITROTOLUENE VIA NITRATION OF TOLUENE	10	–	–	–	–	•	†
F010	–	QUENCHING BATH SLUDGE (OIL BATH) (METAL HEAT TREATING) USING CYANIDES	10	–	–	–	–	•	†
F012	–	QUENCHING WASTEWATER TREAT SLUDGES FR METAL HEAT TREAT USING CYANIDES	10	–	–	–	–	•	†
K112	–	REACT. BY-PROD. WATER FR. DRYING COLUMN PROD. TOLUENEDIAMINE VIA...	10	–	–	–	–	•	†
K102	–	RESIDUE FR. ACTIVATED CARBON FOR DECOLORIZATION PROD. VET. PHARMACEUT	1	–	–	–	–	•	†
F028	–	RESIDUE FR. INCIN./THERMAL TREAT. SOIL CONTAMINATED W/SPECIFIED WASTE	1	–	–	–	–	•	†
K105	–	SEPARATED AQUEOUS STREAM FR. REACTOR PROD.WASHING STEP IN CHLOROBENZ.	10	–	–	–	–	•	†
K049	–	SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY	1	–	–	–	–	•	†
K066	–	SLUDGE FROM ... PROCESS WASTEWATER AND/OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PROD.	1	–	–	–	–	•	†
K001	–	SLUDGE OF WOOD PRESERVING PROCESSES USING CREOSOTE/PENTACHLOROPHENOL	1	–	–	–	–	•	†
K086	–	SOLVENT,WATER,CAUSTIC WASHES & SLUDGES CLEANING EQUIP. FOR INK FORMU.	1	–	–	–	–	•	†
F002	–	SPECIFIED SPENT HALOGENATED SOLVENTS AND STILL BOTTOMS FR. RECOVERY	10	–	–	–	–	•	†
F001	–	SPECIFIED SPENT HALOGENATED SOLVENTS USED DEGREASING & SLUDGES FR REC	10	–	–	–	–	•	†
F005	–	SPECIFIED SPENT NON-HALOGENATED SOLVENTS & STILL BOTTOMS FR. RECOVERY	100	–	–	–	–	•	†
F004	–	SPECIFIED SPENT NON-HALOGENATED SOLVENTS & STILL BOTTOMS FR. RECOVERY	1000	–	–	–	–	•	†
F003	–	SPECIFIED SPENT NON-HALOGENATED SOLVENTS & STILL BOTTOMS FR. RECOVERY	100	–	–	–	–	•	†
K118	–	SPENT ABSORBENT SOLIDS FR. PURIF. ETHYLENE DIBROMIDE IN PROD. OF IT	1	–	–	–	–	•	†
K132	–	SPENT ADSORBANT AND WASTEWATER SEPARATOR SOLIDS	1000	–	–	–	–	•	†
K045	–	SPENT CARBON FROM TREAT. OF WASTEWATER CONTAINING EXPLOSIVES	10	–	–	–	–	•	†
K028	–	SPENT CATALYST FR. HYDROCHLORINATOR REACTOR IN 1,1,1-TRICHLOROETHANE	1	–	–	–	–	•	†
F007	–	SPENT CYANIDE ELECTROPLATING BATH SOLUTIONS W/ SPECIFIED EXCEPTIONS	10	–	–	–	–	•	†

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
F011	–	SPENT CYANIDE SOLUTIONS FR SALT BATH POT CLEANING (METAL HEAT TREAT)	10	–	–	–	–	•	†
K109	–	SPENT FILTER CARTRIDGES FR. PRODUCT PURIF. FR. PROD. OF 1,1-DIMETHLHYDRAZINE (UDMH) FR. CARBOXYLIC ACID HYDRAZINES	10	–	–	–	–	•	†
K062	–	SPENT PICKLE LIQUOR FR. STEEL FINISHING OPERATIONS	1	–	–	–	–	•	†
K088	–	SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION	1	–	–	–	–	•	†
F009	–	SPENT STRIPPING & CLEANING SOLUTIONS (ELECTROPLATING) USING CYANIDES	10	–	–	–	–	•	†
K136	–	STILL BOTTOMS FR. PURIF. ETHYLENE DIBROMIDE IN PROD. VIA BROMINATION	1	–	–	–	–	•	†
K036	–	STILL BOTTOMS FR. TOLUENE RECLAMATION DISTIL. IN DISULFOTON PROD.	1	–	–	–	–	•	†
K015	–	STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE	10	–	–	–	–	•	†
K026	–	STRIPPING STILL TAILS FR. PROD. METHYL ETHYL PYRIDINES	1000	–	–	–	–	•	†
K065	–	SURFACE IMPOUNDMENT SOLIDS FROM PRIMARY LEAD SMELTING FACILITIES	1	–	–	–	–	•	†
K052	–	TANK BOTTOMS (LEADED) FR. PETROLEUM REFINING INDUSTRY	10	–	–	–	–	•	†
D017	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - 2,4,5-TP	100	–	–	–	–	•	†
D016	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - 2,4-D	100	–	–	–	–	•	†
D004	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - ARSENIC	1	–	–	–	–	•	†
	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - BARIUM	1000	–	–	–	–	•	†
D006	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - CADMIUM	10	–	–	–	–	•	†
D007	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - CHROMIUM	10	–	–	–	–	•	†
D012	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - ENDRIN	1	–	–	–	–	•	†
D008	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - LEAD	1	–	–	–	–	•	†
D013	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - LINDANE	1	–	–	–	–	•	†
D009	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - MERCURY	1	–	–	–	–	•	†
D014	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - METHOXYCHLOR	1	–	–	–	–	•	†
D010	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - SELENIUM	10	–	–	–	–	•	†
D011	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - SILVER	1	–	–	–	–	•	†
D015	–	UNLISTED HAZ. WASTE CHARACTERISTIC OF EP TOXICITY - TOXAPHENE	1	–	–	–	–	•	†
D002	–	UNLISTED HAZARDOUS WASTES - CHARACTERISTIC OF CORROSIVITY	100	–	–	–	–	•	†
D---(RCRA)	–	UNLISTED HAZARDOUS WASTES - CHARACTERISTIC OF EP TOXICITY	–	–	–	–	–	•	†
D001	–	UNLISTED HAZARDOUS WASTES - CHARACTERISTIC OF IGNITABILITY	100	–	–	–	–	•	†
D003	–	UNLISTED HAZARDOUS WASTES - CHARACTERISTIC OF REACTIVITY	100	–	–	–	–	•	†
K096	–	UNTREATED PROCESS WASTEWATER FR. TOXAPHENE PROD.	1	–	–	–	–	•	†
K099	–	UNTREATED WASTEWATER FR. 2,4-D PROD.	10	–	–	–	–	•	†
K097	–	VACUUM STRIPPER DISCHARGE FR. CHLORDANE CHLORINATOR IN CHLORDANE PROD	1	–	–	–	–	•	†
K114	–	VICINALS FR. PURIF. TOLUENEDIAMINE IN PROD. VIA HYDROG. DINITROTOLUEN	10	–	–	–	–	•	†
	–	WASTE FR. PRODUCT STEAM STRIPPER IN 1,1,1-TRICHLOROETHANE PROD.	1	–	–	–	–	•	†

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
K100	–	WASTE LEACHING SOLUTION – (COMPONENTS IDENTICAL WITH THOSE OF K069)	1	–	–	–	–	•	†
K033	–	WASTE- & SCRUBWATER FR. CHLORIN. CYCLOPENTADIENE IN CHLORDANE PROD.	10	–	–	–	–	•	†
F022	–	WASTES FR. MANU. USE OF TETRA-,PENTA-, OR HEXACHLOROBENZENE (ALKALINE)	1	–	–	–	–	•	†
F026	–	WASTES FR. PROD. MATERIALS ON EQUIP. FOR TETRA,PENTA,HEXACHLOROBENZEN	1	–	–	–	–	•	†
F023	–	WASTES FR. PROD. OF MATERIALS ON EQUIP. FOR TRI- & TETRACHLOROPHENOLS	1	–	–	–	–	•	†
F021	–	WASTES IN PROD. OR MANU. OF PENTACHLOROPHENOL/INTERMED. TO PROD DERIV	1	–	–	–	–	•	†
F020	–	WASTES IN PROD. OR MANU. OF TRI- OR TETRACHLOROPHENOL, OR PEST. DERIV	1	–	–	–	–	•	†
K117	–	WASTEWATER FR. REACTION VENT GAS SCRUBBER PROD. ETHYLENE BROMIDE VIA	1	–	–	–	–	•	†
K131	–	WASTEWATER FROM REACTOR AND ACID DRYER	100	–	–	–	–	•	†
K038	–	WASTEWATER FR. WASHING AND STRIPPING OF PHORATE PROD.	10	–	–	–	–	•	†
K006	–	WASTEWATER SLUDGE FR PROD. CHROME OXIDE GREEN PIGMENTS (ANHY. & HYD.)	10	–	–	–	–	•	†
K002	–	WASTEWATER SLUDGE FROM PRODUCTION OF CHROME YELLOW & ORANGE PIGMENTS	1	–	–	–	–	•	†
K003	–	WASTEWATER SLUDGE FROM PRODUCTION OF MOLYBDATE ORANGE PIGMENTS	1	–	–	–	–	•	†
K046	–	WASTEWATER TR. SLUDGE FROM MANU. FORMU. LOADING OF LEAD-BASED INITIATOR	100	–	–	–	–	•	†
K040	–	WASTEWATER TREAT. SLUDGE FROM PHORATE PROD.	10	–	–	–	–	•	†
K032	–	WASTEWATER TREAT. SLUDGE FROM PROD. OF CHLORDANE	10	–	–	–	–	•	†
K041	–	WASTEWATER TREAT. SLUDGE FROM TOXAPHENE PROD.	1	–	–	–	–	•	†
K037	–	WASTEWATER TREAT. SLUDGES FROM DISULFOTON PROD.	1	–	–	–	–	•	†
K044	–	WASTEWATER TREAT. SLUDGES FROM MANU. & PROCESSING OF EXPLOSIVES	10	–	–	–	–	•	†
K035	–	WASTEWATER TREAT. SLUDGES GENERATED IN CREOSOTE PROD.	1	–	–	–	–	•	†
K084	–	WASTEWATER TREAT. SLUDGES IN PROD. OF VETERINARY PHARMACEUT (ARSENIC)	1	–	–	–	–	•	†
K106	–	WASTEWATER TREATMENT SLUDGE FR. MERCURY CELL PROCESS IN CHLORINE PROD	1	–	–	–	–	•	†
K005	–	WASTEWATER TREATMENT SLUDGE FROM PRODUCTION OF CHROME GREEN PIGMENTS	1	–	–	–	–	•	†
K007	–	WASTEWATER TREATMENT SLUDGE FROM PRODUCTION OF IRON BLUE PIGMENTS	10	–	–	–	–	•	†
K004	–	WASTEWATER TREATMENT SLUDGE FROM PRODUCTION OF ZINC YELLOW PIGMENTS	10	–	–	–	–	•	†
F019	–	WASTEWATER TREATMENT SLUDGES (CHEM. CONVERSION COATING OF ALUMINUM)	10	–	–	–	–	•	†
F006	–	WASTEWATER TREATMENT SLUDGES (ELECTROPLATING) W/ SPECIFIED EXCEPTIONS	10	–	–	–	–	•	†

[Chemical List continued on next page]

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
83-32-9	–	ACENAPHTHENE	100	–	–	–	–	•	–
208-96-8	–	ACENAPHTHYLENE	5000	–	–	–	–	•	–
105-57-7	–	ACETAL	–	–	–	•	–	–	–
75-07-0	–	ACETALDEHYDE	1000	–	–	•	•	•	–
107-20-0	–	ACETALDEHYDE, CHLORO-	1000	–	–	?	–	•	–
75-87-6	–	ACETALDEHYDE, TRICHLORO-	5000	–	–	–	–	•	–
60-35-5	–	ACETAMIDE	–	–	–	–	•	–	–
640-19-7	–	ACETAMIDE, 2-FLUORO-	100	–	?	–	–	•	–
62-44-2	–	ACETAMIDE, N-(4-ETHOXYPHENYL)-	100	–	–	?	–	•	–
591-08-2	–	ACETAMIDE, N-(AMINOTHIOXOMETHYL)-	1000	–	–	–	–	•	–
53-96-3	–	ACETAMIDE, N-9H-FLUOREN-2-YL)-	1	–	–	?	?	•	–
64-19-7	–	ACETIC ACID	5000	–	–	•	–	•	–
141-78-6	–	ACETIC ACID, ETHYL ESTER	5000	–	–	?	–	•	–
62-74-8	–	ACETIC ACID, FLUORO-, SODIUM SALT	10	–	?	?	–	•	–
301-04-2	–	ACETIC ACID, LEAD SALT	5000	–	–	?	–	•	–
583-68-6	–	ACETIC ACID, THALLIUM(I) SALT	100	–	–	–	–	•	–
108-24-7	–	ACETIC ANHYDRIDE	5000	–	–	•	–	•	–
16752-77-5	–	ACETIMIDIC ACID, N-METHYLCARBAMOYL) OXYTHIO-, METHYL ESTER	100	–	?	?	–	•	–
67-64-1	–	ACETONE	5000	–	–	•	•	•	–
75-86-5	–	ACETONE CYANOHYDRIN	10	1000	•	–	–	•	–
1752-30-3	–	ACETONE THIOSEMICARBAZIDE	1	1000/10000	•	–	–	–	e
75-05-8	–	ACETONITRILE	5000	–	–	•	•	•	–
81-81-2	3-(ALPHA-	ACETONYLBENZYL)-4-HYDROXYCOUMARIN AND SALTS	100	–	?	?	–	•	–
98-86-2	–	ACETOPHENONE	5000	–	–	–	–	•	–
506-96-7	–	ACETYL BROMIDE	5000	–	–	–	–	•	–
75-36-5	–	ACETYL CHLORIDE	5000	–	–	–	–	•	–
591-08-2	1-	ACETYL-2-THIOUREA	1000	–	–	–	–	•	–
53-96-3	2-	ACETYLAMINOFLUORENE	1	–	–	•	•	•	–
[illegible]6-2	–	ACETYLENE	–	–	–	•	–	–	–
[illegible]-6	–	ACETYLENE TETRABROMIDE	–	–	–	•	–	–	–
[illegible]8-2	–	ACETYLSALICYLIC ACID (ASPIRIN)	–	–	–	•	–	–	–
260-94-6	–	ACRIDINE	–	–	–	•	–	–	–
107-02-8	–	ACROLEIN	1	500	•	•	•	•	–
79-06-1	–	ACRYLAMIDE	5000	1000/10000	•	•	•	•	d
79-10-7	–	ACRYLIC ACID	5000	–	–	•	•	•	–
107-13-1	–	ACRYLONITRILE	100	10000	•	•	•	•	d
814-68-6	–	ACRYLYL CHLORIDE	1	100	•	–	–	–	e,h
13768-00-8	–	ACTINOLITE	–	–	–	•	–	–	–
50-76-0	–	ACTINOMYCIN D	–	–	–	•	–	–	–
72766-92-8	–	ACTINOMYCIN D	–	–	–	•	–	–	–
124-04-9	–	ADIPIC ACID	5000	–	–	–	–	•	–
111-69-3	–	ADIPONITRILE	1	1000	•	–	–	–	d
23214-92-8	–	ADRIAMYCIN	–	–	–	•	–	–	–
3688-53-7	–	AF-2	–	–	–	•	–	–	–
1162-65-8	–	AFLATOXIN B1	–	–	–	•	–	–	–
1402-68-2	–	AFLATOXINS	–	–	–	•	–	–	–
148-82-3	–	ALANINE, 3-P-BIS(2-CHLOROETHYL) AMINOPHENYL-,L	1	–	–	?	–	•	–
116-06-3	–	ALDICARB	1	100/10000	•	–	–	•	c
309-00-2	–	ALDRIN	1	500/10000	•	•	•	•	d
107-18-6	–	ALLYL ALCOHOL	100	1000	•	•	•	•	–
107-05-1	–	ALLYL CHLORIDE	1000	–	–	•	•	•	–
106-92-3	–	ALLYL GLYCIDYL ETHER (AGE)	–	–	–	•	–	–	–
2179-59-1	–	ALLYL PROPYL DISULFIDE	–	–	–	•	–	–	–
107-11-9	–	ALLYLAMINE	1	500	•	–	–	–	e
1344-28-1	ALPHA-	ALUMINA	–	–	–	•	?	–	–
7429-90-5	–	ALUMINUM	–	–	–	•	?	–	–
7429-90-5	–	ALUMINUM (FUME OR DUST)	–	–	–	?	•	–	–
7429-90-5	–	ALUMINUM ALKYLS (NOC)=NOT OTHERWISE CITED	–	–	–	•	?	–	–
7429-90-5	–	ALUMINUM METAL	–	–	–	•	?	–	–
1344-28-1	–	ALUMINUM OXIDE	–	–	–	•	–	–	–
1344-28-1	–	ALUMINUM OXIDE (FIBROUS FORMS)	–	–	–	?	•	–	–
20859-73-8	–	ALUMINUM PHOSPHIDE	100	500	•	–	–	•	b
7429-90-5	–	ALUMINUM PYRO POWDERS	–	–	–	•	?	–	–
10043-01-3	–	ALUMINUM SULFATE	5000	–	–	–	–	•	–
7429-90-5	–	ALUMINUM, SOLUBLE SALTS	–	–	–	•	?	–	–
[illegible]90-5	–	ALUMINUM, WELDING FUMES	–	–	–	•	?	–	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
82-28-0	1-	AMINO-2-METHYLANTHRAQUINONE	–	–	–	?	•	–	–
712-68-5	2-	AMINO-5-(5-NITRO-2-FURYL)-1,3,4-THIADIAZOLE	–	–	–	•	–	–	–
117-79-3	2-	AMINOANTHRAQUINONE	–	–	–	•	•	–	–
60-09-3	4-	AMINOAZOBENZENE	–	–	–	–	•	–	–
97-56-3	O-	AMINOAZOTOLUENE	–	–	–	•	?	–	–
92-67-1	4-	AMINOBIPHENYL	–	–	–	•	•	–	–
92-67-1	4-	AMINODIPHENYL	–	–	–	•	?	–	–
2763-96-4	5-(	AMINOMETHYL)-3-ISOXAZOLOL	1000	–	?	–	–	•	–
54-62-6	–	AMINOPTERIN	1	500/10000	•	–	–	–	•
504-24-5	4-	AMINOPYRIDINE	1000	–	?	–	–	•	–
504-29-0	2-	AMINOPYRIDINE	–	–	–	•		–	–
2432-99-7	11-	AMINOUNDECANOIC ACID	–	–	–	•		–	–
78-53-5	–	AMITON	1	500	•	–	–	–	•
3734-97-2	–	AMITON OXALATE	1	100/10000	•	–	–	–	•
61-82-5	–	AMITROLE	10	–	–	•	–	•	–
7664-41-7	–	AMMONIA	100	500	•	•	•	•	I
631-61-8	–	AMMONIUM ACETATE	5000	–	–	–	–	•	–
1863-63-4	–	AMMONIUM BENZOATE	5000	–	–	–	–	•	–
1066-33-7	–	AMMONIUM BICARBONATE	5000	–	–	–	–	•	–
7789-09-5	–	AMMONIUM BICHROMATE	10	–	–	–	–	•	–
1341-49-7	–	AMMONIUM BIFLUORIDE	100	–	–	–	–	•	–
10192-30-0	–	AMMONIUM BISULFITE	5000	–	–	–	–	•	–
1111-78-0	–	AMMONIUM CARBAMATE	5000	–	–	–	–	•	–
506-87-6	–	AMMONIUM CARBONATE	5000	–	–	–	–	•	–
12125-02-9	–	AMMONIUM CHLORIDE	5000	–	–	•	–	•	–
12125-02-9	–	AMMONIUM CHLORIDE-FUME	–	–	–	•	–	?	–
7788-98-9	–	AMMONIUM CHROMATE	10	–	–	–	–	•	–
3012-65-5	–	AMMONIUM CITRATE, DIBASIC	5000	–	–	–	–	•	–
13826-83-0	–	AMMONIUM FLUOBORATE	5000	–	–	–	–	•	–
12125-01-8	–	AMMONIUM FLUORIDE	100	–	–	–	–	•	–
1336-21-6	–	AMMONIUM HYDROXIDE	1000	–	–	–	–	•	–
6484-52-2	–	AMMONIUM NITRATE (SOLUTION)	–	–	–	–	•	–	–
5972-73-6	–	AMMONIUM OXALATE	5000	–	–	–	–	•	–
6009-70-7	–	AMMONIUM OXALATE	5000	–	–	–	–	•	–
14258-49-2	–	AMMONIUM OXALATE	5000	–	–	–	–	•	–
3825-26-1	–	AMMONIUM PERFLUOROOCTANOATE	–	–	–	•	–	–	–
131-74-8	–	AMMONIUM PICRATE	10	–	–	–	–	•	–
16919-19-0	–	AMMONIUM SILICOFLUORIDE	1000	–	–	–	–	•	–
7773-06-0	–	AMMONIUM SULFAMATE	5000	–	–	•	–	•	–
7783-20-2	–	AMMONIUM SULFATE (SOLUTION)	–	–	–	–	•	–	–
12135-76-1	–	AMMONIUM SULFIDE	100	–	–	–	–	•	–
10196-04-0	–	AMMONIUM SULFITE	5000	–	–	–	–	•	–
3164-29-2	–	AMMONIUM TARTRATE	5000	–	–	–	–	•	–
14307-43-8	–	AMMONIUM TARTRATE	5000	–	–	–	–	•	–
1762-95-4	–	AMMONIUM THIOCYANATE	5000	–	–	–	–	•	–
7783-18-8	–	AMMONIUM THIOSULFATE	5000	–	–	–	–	•	–
7803-55-6	–	AMMONIUM VANADATE	1000	–	–	–	–	•	–
12172-73-5	–	AMOSITE	–	–	–	•	–	–	–
300-62-9	–	AMPHETAMINE	1	1000	•	–	–	–	•
123-92-2	ISO-	AMYL ACETATE	5000	–	–	?	–	•	–
625-16-1	TERT-	AMYL ACETATE	5000	–	–	–	–	•	–
626-38-0	SEC-	AMYL ACETATE	5000	–	–	•	–	•	–
628-63-7	N-	AMYL ACETATE	–	–	–	•	–	?	–
628-63-7	–	AMYL ACETATE	5000	–	–	?	–	•	–
62-53-3	–	ANILINE	5000	1000	•	•	•	•	dJ
88-05-1	–	ANILINE, 2,4,6-TRIMETHYL-	1	500	•	–	–	–	•
90-04-0	O-	ANISIDINE	–	–	–	•	•	–	–
104-94-9	P-	ANISIDINE	–	–	–	•	•	–	–
29191-52-4	–	ANISIDINE (O,P-ISOMERS)	–	–	–	•	–	–	–
134-29-2	O-	ANISIDINE HYDROCHLORIDE	–	–	–	•	•	–	–
17068-78-9	–	ANTHOPHYLLITE	–	–	–	•	–	–	–
120-12-7	–	ANTHRACENE	5000	–	–	•	•	•	–
7440-36-0	–	ANTIMONY	5000	–	–	•	•	•	–
7440-36-0	–	ANTIMONY COMPOUNDS	–	–	–	•	?	?	–
–	–	ANTIMONY COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
7647-18-9	–	ANTIMONY PENTACHLORIDE	1000	–	–	–	–	•	–
7783-70-2	–	ANTIMONY PENTAFLUORIDE	1	500	•	–	–	–	•
28300-74-5	–	ANTIMONY POTASSIUM TARTRATE	100	–	–	–	–	•	–
7789-61-9	–	ANTIMONY TRIBROMIDE	1000	–	–	–	–	•	–

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
10025-91-9	-	ANTIMONY TRICHLORIDE	1000	-	-	-	-	•	-
7783-56-4	-	ANTIMONY TRIFLUORIDE	1000	-	-	-	-	•	-
1309-64-4	-	ANTIMONY TRIOXIDE	1000	-	-	•	-	•	-
1309-64-4	-	ANTIMONIUM TRIOXIDE, HANDLING AND USE, AS SB	-	-	-	•	-	?	-
1309-64-4	-	ANTIMONY TRIOXIDE, PRODUCTION	-	-	-	•	-	?	-
1397-94-0	-	ANTIMYCIN A	1	1000/10000	•	-	-	-	c,e
-	-	ANTRACENE OILS	-	-	-	•	-	-	-
86-88-4	-	ANTU	100	500/10000	•	•	-	?	-
140-57-8	-	ARAMITE	-	-	-	•	-	-	-
7440-37-1	-	ARGON	-	-	-	•	-	-	-
12674-11-2	-	AROCLOR 1016	1	-	-	-	-	•	-
11104-28-2	-	AROCLOR 1221	1	-	-	-	-	•	-
11141-16-5	-	AROCLOR 1232	1	-	-	-	-	•	-
53469-21-9	-	AROCLOR 1242	1	-	-	?	-	•	-
12672-29-6	-	AROCLOR 1248	1	-	-	-	-	•	-
11097-69-1	-	AROCLOR 1254	1	-	-	?	-	•	-
11096-82-5	-	AROCLOR 1260	1	-	-	-	-	•	-
7440-38-2	-	ARSENIC	1	-	-	•	•	•	-
1327-52-2	-	ARSENIC ACID	1	-	-	-	-	•	-
7778-39-4	-	ARSENIC ACID	1	-	-	-	-	•	-
1327-52-2	-	ARSENIC ACID H3ASO4	1	-	-	-	-	•	-
7778-39-4	-	ARSENIC ACID H3ASO4	1	-	-	-	-	•	-
7440-38-2	-	ARSENIC AND COMPOUNDS	-	-	-	•	?	?	-
-	-	ARSENIC COMPOUNDS (SEE REGULATION FOR DEFINITION)	-	-	-	-	•	•	-
1303-32-8	-	ARSENIC DISULFIDE	1	-	-	-	-	•	-
1303-28-2	-	ARSENIC PENTOXIDE	1	100/10000	•	•	-	•	d
7784-34-1	-	ARSENIC TRICHLORIDE	1	-	?	-	-	•	-
1327-53-3	-	ARSENIC TRIOXIDE	1	-	?	•	-	•	-
1327-53-3	-	ARSENIC TRIOXIDE PRODUCTION	-	-	?	•	-	?	-
1303-33-9	-	ARSENIC TRISULFIDE	1	-	-	-	-	•	-
[illegible]-53-3	-	ARSENIC OXIDE AS203	1	-	?	?	-	•	-
[illegible]-28-2	-	ARSENIC OXIDE AS205	1	-	?	?	-	•	-
7440-38-2	-	ARSENIC, INORGANIC COMPOUNDS	-	-	-	•	?	?	-
7440-38-2	-	ARSENIC, ORGANIC COMPOUNDS	-	-	-	•	?	?	-
7440-38-2	-	ARSENIC, SOLUBLE COMPOUNDS	-	-	-	•	?	?	-
1327-53-3	-	ARSENOUS OXIDE	1	100/10000	•	?	-	?	d,h
7784-34-1	-	ARSENOUS TRICHLORIDE	1	500	•	-	-	?	d
7784-42-1	-	ARSINE	1	100	•	•	-	-	e
692-42-2	-	ARSINE, DIETHYL	1	-	-	-	-	•	-
75-60-5	-	ARSINIC ACID, DIMETHYL	1	-	-	-	-	•	-
1332-21-4	-	ASBESTOS	1	-	-	•	?	•	-
1332-21-4	-	ASBESTOS (FRIABLE)	-	-	-	?	•	?	-
12001-28-4	-	ASBESTOS, CROCIDOLITE	-	-	-	•	-	-	-
12001-29-5	-	ASBESTOS, CHRYSOTILE	-	-	-	•	-	-	-
8052-42-4	-	ASPHALT	-	-	-	•	-	-	-
8052-42-4	-	ASPHALT (PETROLEUM) FUMES	-	-	-	•	-	-	-
1912-24-9	-	ATRAZINE	-	-	-	•	-	-	-
492-80-8	-	AURAMINE	100	-	-	•	?	•	-
2465-27-2	-	AURAMINE	-	-	-	•	-	-	-
492-80-8	-	AURAMINE, MANUFACTURE OF	-	-	-	•	?	?	-
2465-27-2	-	AURAMINE, MANUFACTURE OF	-	-	-	•	-	-	-
492-80-8	-	AURAMINE, TECHNICAL GRADE	-	-	-	•	?	?	-
115-02-6	-	AZASERINE	1	-	-	•	-	•	-
446-86-6	-	AZATHIOPRINE	-	-	-	•	-	-	-
2642-71-9	-	AZINPHOS-ETHYL	1	100/10000	•	-	-	-	e
86-50-0	-	AZINPHOSMETHYL	1	10/10000	•	•	-	?	-
151-56-4	-	AZIRIDINE	1	-	?	?	?	•	-
75-55-8	-	AZIRIDINE, 2-METHYL	1	-	?	?	?	•	-
50-07-7	-	AZIRINO(2',3':3,4)PYRROLO(1,2-A)INDOLE-4,7-DIONE,6-(SEE MITOMYCIN C)	10	-	?	?	-	•	-
7440-39-3	-	BARIUM	-	-	-	•	•	-	-
-	-	BARIUM COMPOUNDS (SEE REGULATION FOR DEFINITION)	-	-	-	-	•	-	-
542-62-1	-	BARIUM CYANIDE	10	-	-	-	-	•	-
7440-39-3	-	BARIUM, SOLUBLE COMPOUNDS	-	-	-	•	?	-	-
17804-35-2	-	BENOMYL	-	-	-	•	-	-	-
98-87-3	-	BENZAL CHLORIDE	5000	500	•	-	•	•	d
55-21-0	-	BENZAMIDE	-	-	-	-	•	-	-
[illegible]-5-3	1,2-	BENZANTHRACENE	10	-	-	?	-	•	-
[illegible]-6	1,2-	BENZANTHRACENE, 7,12-DIMETHYL-	1	-	-	-	-	•	-

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
62-53-3	–	BENZENAMINE	5000	–	?	?	?	•	–
95-53-4	–	BENZENAMINE, 2-METHYL	100	–	–	?	?	•	–
636-21-5	–	BENZENAMINE, 2-METHYL-, HYDROCHLORIDE	100	–	–	?	?	•	–
99-55-8	–	BENZENAMINE, 2-METHYL-5-NITRO	100	–	–	–	–	•	–
98-16-8	–	BENZENAMINE, 3-(TRIFLUOROMETHYL)-	1	500	•	–	–	–	•
106-49-0	–	BENZENAMINE, 4-METHYL	100	–	–	?	–	•	–
492-80-8	–	BENZENAMINE, 4,4'-CARBONIMIDOYLBIS(N,N-DIMETHYL-	100	–	–	?	?	•	–
101-14-4	–	BENZENAMINE, 4,4'-METHYLENEBIS(2-CHLORO-	10	–	–	?	?	•	–
106-47-8	–	BENZENAMINE, 4-CHLORO	1000	–	.	–	–	•	–
3165-93-3	–	BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE	100	–	.	–	–	•	–
100-01-6	–	BENZENAMINE, 4-NITRO	5000	–	–	?	–	•	–
60-11-7	–	BENZENAMINE, N,N-DIMETHYL-4-PHENYLAZO-	10	–	–	?	?	•	–
71-43-2	–	BENZENE	10	–	–	•	•	•	–
72-54-8	1,2-	BENZENE, 1, 1'-(2,2-DICHLOROETHYLIDENE) BIS(4-CHLORO-	1	–	–	–	–	•	–
50-29-3	–	BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE) BIS(4-CHLORO	1	–	–	?	–	•	–
95-94-3	–	BENZENE, 1,2,4,5-TETRACHLORO-	5000	–	–	–	–	•	–
95-50-1	–	BENZENE, 1,2-DICHLORO-	100	–	–	?	?	•	–
99-35-4	–	BENZENE, 1,3,5-TRINITRO-	10	–	–	–	–	•	–
541-73-1	–	BENZENE, 1,3-DICHLORO-	100	–	–	–	?	•	–
106-46-7	–	BENZENE, 1,4-DICHLORO-	100	–	–	–	?	•	–
100-14-1	–	BENZENE, 1-(CHLOROMETHYL)-4-NITRO-	1	500/10000	•	–	–	–	•
101-55-3	–	BENZENE, 1-BROMO-4-PHENOXY-	100	–	–	–	–	•	–
121-14-2	–	BENZENE, 1-METHYL-2,4-DINITRO-	10	–	–	–	?	•	–
98-82-8	–	BENZENE, 1-METHYLETHYL-	5000	–	–	?	?	•	–
606-20-2	–	BENZENE, 2-METHYL-1,3-DINITRO-	100	–	–	–	?	•	–
91-08-7	–	BENZENE, 2,4-DIISOCYANATOMETHYL-	100	–	?	?	?	•	–
584-84-9	–	BENZENE, 2,4-DIISOCYANATOMETHYL-	100	–	?	?	?	•	–
26471-62-5	–	BENZENE, 2,4-DIISOCYANATOMETHYL-	100	–	–	?	–	•	–
108-90-7	–	BENZENE, CHLORO-	100	–	–	?	?	•	–
100-44-7	–	BENZENE, CHLOROMETHYL-	100	–	?	?	?	•	–
98-87-3	–	BENZENE, DICHLOROMETHYL-	5000	–	?	–	?	•	–
95-47-6	O-	BENZENE, DIMETHYL	1000	–	–	?	?	•	–
106-42-3	P-	BENZENE, DIMETHYL	1000	–	–	?	?	•	–
108-38-3	M-	BENZENE, DIMETHYL	1000	–	–	?	?	•	–
1330-20-7	–	BENZENE, DIMETHYL-	1000	–	–	–	?	•	–
118-74-1	–	BENZENE, HEXACHLORO-	10	–	–	?	?	•	–
110-82-7	–	BENZENE, HEXAHYDRO-	1000	–	–	?	?	•	–
108-95-2	–	BENZENE, HYDROXY-	1000	–	?	?	?	•	–
108-88-3	–	BENZENE, METHYL-	1000	–	–	?	?	•	–
98-95-3	–	BENZENE, NITRO	1000	–	?	?	?	•	–
608-93-5	–	BENZENE, PENTACHLORO-	10	–	–	–	–	•	–
82-68-8	–	BENZENE, PENTACHLORONITRO-	100	–	–	–	?	•	–
98-07-7	–	BENZENE, TRICHLOROMETHYL	10	–	?	?	?	•	–
510-15-6	–	BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-...	10	–	–	–	?	•	–
98-05-5	–	BENZENEARSONIC ACID	1	10/10000	•	–	–	–	•
305-03-3	–	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-	10	–	–	?	–	•	–
95-80-7	–	BENZENEDIAMINE, AR-METHYL-	10	–	–	?	?	•	–
496-72-0	–	BENZENEDIAMINE, AR-METHYL-	10	–	–	–	–	•	–
823-40-5	–	BENZENEDIAMINE, AR-METHYL-	10	–	–	–	–	•	–
25376-45-8	–	BENZENEDIAMINE, AR-METHYL-	10	–	–	–	?	•	–
85-44-9	1,2-	BENZENEDICARBOXYLIC ACID ANHYDRIDE	5000	–	–	?	?	•	–
117-84-0	1,2-	BENZENEDICARBOXYLIC ACID, DI-N-OCTYL ESTER	5000	–	–	–	?	•	–
84-74-2	1,2-	BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER	10	–	–	?	?	•	–
84-66-2	1,2-	BENZENEDICARBOXYLIC ACID, DIETHYL ESTER	1000	–	–	?	?	•	–
131-11-3	1,2-	BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER	5000	–	–	?	?	•	–
117-81-7	1,2-	BENZENEDICARBOXYLIC ACID, [BIS(2-ETHYLHEXYL)] ESTER	100	–	–	?	?	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
108-46-3	1,3-	BENZENEDIOL	5000	–	–	?	–	•	–
51-43-4	1,2-	BENZENEDIOL,4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-	1000	–	–	–	–	•	–
98-09-9	–	BENZENESULFONIC ACID CHLORIDE	100	–	–	–	–	•	–
98-09-9	–	BENZENESULFONYL CHLORIDE	100	–	–	–	–	•	–
108-98-5	–	BENZENETHIOL	100	–	?	?	–	•	–
92-87-5	–	BENZIDINE	1	–	–	•	•	•	–
3615-21-2	–	BENZIMIDAZOLE, 4,5-DICHOLORO-2-(TRIFLUOROMETHYL)-	1	500/10000	•	–	–	–	e,g
81-07-2	1,2-	BENZISOTHIAZOLIN-3-ONE,1,1-DIOXIDE, AND SALTS	100	–	–	?	?	•	–
50-32-8	–	BENZO(A)PYRENE	1	–	–	•	–	•	–
205-99-2	–	BENZO(B)FLUORANTHENE	1	–	–	•	–	•	–
205-82-3	–	BENZO(J)FLUORANTHENE	–	–	–	•	–	–	–
207-08-9	–	BENZO(K)FLUORANTHENE	5000	–	–	•	–	•	–
189-55-9	–	BENZO [RST] PENTAPHENE	10	–	–	?	–	•	–
94-59-7	1,3-	BENZODIOXOLE, 5-(2-PROPENYL)-	100	–	–	?	?	•	–
120-58-1	1,3-	BENZODIOXOLE, 5-(1-PROPENYL)-	100	–	–	?	–	•	–
94-58-6	1,3-	BENZODIOXOLE, 5-PROPYL-	10	–	–	?	–	•	–
65-85-0	–	BENZOIC ACID	5000	–	–	–	–	•	–
98-07-7	–	BENZOIC TRICHLORIDE (BENZOTRICHLORIDE)	10	100	•	•	•	•	d
100-47-0	–	BENZONITRILE	5000	–	–	–	–	•	–
50-32-8	3,4-	BENZOPYRENE	1	–	–	?	–	•	–
106-51-4	P-	BENZOQUINONE	10	–	–	?	?	•	–
98-07-7	–	BENZOTRICHLORIDE	10	100	•	•	?	•	d
–	–	BENZOTRICHLORIDE, CHLORINATED TOLUENES (PRODUCTION OF)	–	–	–	•	–	–	–
98-88-4	–	BENZOYL CHLORIDE	1000	–	–	–	•	•	–
94-36-0	–	BENZOYL PEROXIDE	–	–	–	•	•	–	–
56-55-3	–	BENZO(A)ANTHRACENE	10	–	–	?	–	•	–
-24-2	–	BENZO(GHI)PERYLENE	5000	–	–	–	–	•	–
-44-0	–	BENZO(J,K)FLUORENE	100	–	–	–	–	•	–
8-01-9	1,2-	BENZPHENANTHRENE	100	–	–	?	–	•	–
100-44-7	–	BENZYL CHLORIDE	100	500	•	•	•	•	d
140-29-4	–	BENZYL CYANIDE	1	500	•	–	–	–	e,h
1694-09-3	–	BENZYL VIOLET	–	–	–	•	–	–	–
56-55-3	–	BENZ[A]ANTHRACENE	10	–	–	•	–	•	–
225-51-4	–	BENZ[C]ACRIDINE	100	–	–	–	–	•	–
56-49-5	–	BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL	10	–	–	–	–	•	–
1302-52-9	–	BERYL	–	–	–	•	–	–	–
7440-41-7	–	BERYLLIUM	10	–	–	•	•	•	–
12770-50-2	–	BERYLLIUM ALUMINUM ALLOY	–	–	–	•	–	–	–
7440-41-7	–	BERYLLIUM AND COMPOUNDS	–	–	–	•	?	?	–
66104-24-3	–	BERYLLIUM CARBONATE	–	–	–	•	–	–	–
7787-47-5	–	BERYLLIUM CHLORIDE	1	–	–	•	–	•	–
–	–	BERYLLIUM COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
7440-41-7	–	BERYLLIUM DUST	10	–	–	?	?	•	–
7787-49-7	–	BERYLLIUM FLUORIDE	1	–	–	•	–	•	–
13598-15-7	–	BERYLLIUM HYDROGEN PHOSPHATE	–	–	–	•	–	–	–
13327-32-7	–	BERYLLIUM HYDROXIDE	–	–	–	•	–	–	–
778-75-5	–	BERYLLIUM NITRATE	1	–	–	–	–	•	–
13597-99-4	–	BERYLLIUM NITRATE	1	–	–	–	–	•	–
1304-56-9	–	BERYLLIUM OXIDE	–	–	–	•	–	–	–
13598-00-0	–	BERYLLIUM SILICATE	–	–	–	•	–	–	–
13510-49-1	–	BERYLLIUM SULFATE	–	–	–	•	–	–	–
7787-56-6	–	BERYLLIUM SULFATE TETRAHYDRATE	–	–	–	•	–	–	–
58-89-9	GAMMA -	BHC	1	–	?	?	?	•	–
319-84-6	ALPHA-	BHC	10	–	–	?	–	•	–
319-85-7	BETA -	BHC	1	–	–	?	–	•	–
319-86-8	DELTA-	BHC	1	–	–	–	–	•	–
15271-41-7	–	BICYCLO(2.2.1)HEPTANE-2-CARBONITRILE, 5-CHLORO...	1	500/10000	•	–	–	–	e
1464-53-5	2,2'-	BIOXIRANE	10	–	?	?	?	•	–
92-52-4	–	BIPHENYL	–	–	–	•	•	–	–
92-87-5	(1,1'-	BIPHENYL)-4,4'DIAMINE	1	–	–	?	?	•	–
91-94-1	(1,1'-	BIPHENYL)-4,4'DIAMINE,3,3'DICHLORO-	1	–	–	?	?	•	–
119-90-4	(1,1'-	BIPHENYL)-4,4'DIAMINE,3,3'DIMETHOXY-	100	–	–	?	?	•	–
93-7	(1,1'-	BIPHENYL)-4,4'DIAMINE,3,3'DIMETHYL-	10	–	–	?	?	•	–

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
111-44-4	-	BIS (2-CHLOROETHYL) ETHER	10	-	?	?	•	•	-
108-60-1	-	BIS (2-CHLOROISOPROPYL) ETHER	1000	-	-	-	?	•	-
108-60-1	-	BIS(2-CHLORO-1-METHYLETHYL) ETHER	-	-	-	-	•	?	-
111-91-1	-	BIS(2-CHLOROETHOXY) METHANE	1000	-	-	-	-	•	-
103-23-1	-	BIS(2-ETHYLHEXYL)ADIPATE	-	-	-	-	•	-	-
117-81-7	-	BIS(2-ETHYLHEXYL)PTHALATE	100	-	-	?	?	•	-
542-88-1	-	BIS(CHLOROMETHYL) ETHER	1	-	?	•	•	•	-
534-07-6	-	BIS(CHLOROMETHYL) KETONE	1	10/10000	•	-	-	-	•
137-26-8	-	BIS(DIMETHYLTHIOCARBAMOYL) DISULFIDE	10	-	-	?	-	•	-
542-88-1	-	BIS-CHLOROMETHYL ETHER (BCME)	-	-	?	•	?	?	-
154-93-8	-	BISCHLOROETHYL NITROSOUREA (BCNU)	-	-	-	•	-	-	-
1304-82-1	-	BISMUTH TELLURIDE	-	-	-	•	-	-	-
1304-82-1	-	BISMUTH TELLURIDE (SE-DOPED)	-	-	-	•	-	-	-
4044-65-9	-	BITOSCANATE	1	500/10000	•	-	-	-	•
-	-	BITUMENS (PETROLEUM-DERIVED), AIR-REFINED - EXTRACTS	-	-	-	•	-	-	-
-	-	BITUMENS (PETROLEUM-DERIVED), STEAM-REFINED - EXTRACTS	-	-	-	•	-	-	-
1330-43-4	-	BORATES, TETRA, SODIUM SALTS - ANHYDROUS	-	-	-	•	-	-	-
1303-96-4	-	BORATES, TETRA, SODIUM SALTS - DECAHYDRATE	-	-	-	•	-	-	-
12179-04-3	-	BORATES, TETRA, SODIUM SALTS - PENTAHYDRATE	-	-	-	•	-	-	-
1303-86-2	-	BORON OXIDE	-	-	-	•	-	-	-
10294-33-4	-	BORON TRIBROMIDE	-	-	-	•	-	-	-
10294-34-5	-	BORON TRICHLORIDE	1	500	•	-	-	-	•
7637-07-2	-	BORON TRIFLUORIDE	1	500	•	•	-	-	•
353-42-4	-	BORON TRIFLUORIDE COMPOUND WITH METHYL ETHER (1:1)	1	1000	•	-	-	-	•
314-40-9	-	BROMACIL	-	-	-	•	-	-	-
28772-56-7	-	BROMADIOLONE	1	100/10000	•	-	-	-	•
7726-95-6	-	BROMINE	1	500	•	•	-	-	e,l
506-68-3	-	BROMINE CYANIDE	1000	-	?	-	-	•	-
7789-30-2	-	BROMINE PENTAFLUORIDE	-	-	-	•	-	-	-
598-31-2	-	BROMOACETONE	1000	-	-	-	-	•	-
75-25-2	-	BROMOFORM	100	-	-	•	?	•	-
75-25-2	-	BROMOFORM (TRIBROMOMETHANE)	-	-	-	?	•	?	-
74-83-9	-	BROMOMETHANE (METHYL BROMIDE)	-	-	?	?	•	?	-
101-55-3	4-	BROMOPHENYL PHENYL ETHER	100	-	-	-	-	•	-
357-57-3	-	BRUCINE	100	-	-	-	-	•	y
106-99-0	1,3-	BUTADIENE	-	-	-	•	•	-	-
87-08-3	1,3-	BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-	1	-	-	-	-	•	-
924-16-3	1-	BUTANAMINE, N-BUTYL-N-NITROSO-	10	-	-	?	?	•	-
106-97-8	-	BUTANE	-	-	-	•	-	-	-
55-98-1	1,4-	BUTANEDIOL DIMETHANESULPHONATE	-	-	-	•	-	-	-
303-34-4	2-	BUTANOIC ACID, 2-METHYL-, 7- [[2,3-DIHYDROXY-2-(1-METHOXYETHYL...	10	-	-	?	-	•	-
71-36-3	1-	BUTANOL	5000	-	-	?	?	•	-
78-93-3	2-	BUTANONE	5000	-	-	?	?	•	-
1338-23-4	2-	BUTANONE PEROXIDE	10	-	-	?	-	•	-
123-73-9	2-	BUTENAL	100	-	?	?	-	•	-
4170-30-3	2-	BUTENAL	100	-	?	-	-	•	-
764-41-0	2-	BUTENE, 1,4-DICHLORO-	1	-	-	-	-	•	-
111-76-2	2-	BUTOXYETHANOL	-	-	-	•	-	-	-
105-46-4	SEC-	BUTYL ACETATE	5000	-	-	•	-	•	-
110-19-0	ISO-	BUTYL ACETATE	5000	-	-	?	-	•	-
123-86-4	N-	BUTYL ACETATE	-	-	-	•	-	?	-
123-86-4	-	BUTYL ACETATE	5000	-	-	?	-	•	-
540-88-5	TERT-	BUTYL ACETATE	5000	-	-	•	-	•	-
141-32-2	-	BUTYL ACRYLATE	-	-	-	•	•	-	-
71-36-3	N-	BUTYL ALCOHOL	5000	-	-	•	•	•	-
75-65-0	TERT-	BUTYL ALCOHOL	-	-	-	•	•	-	-
78-92-2	SEC-	BUTYL ALCOHOL	-	-	-	•	•	-	-
85-68-7	-	BUTYL BENZYL PHTHALATE	100	-	-	-	•	•	-
1189-85-1	TERT-	BUTYL CHROMATE, AS (CRO3)	-	-	-	•	-	-	-
2426-08-6	N-	BUTYL GLYCIDYL ETHER (BGE)	-	-	-	•	-	-	-
138-22-7	N-	BUTYL LACTATE	-	-	-	•	-	-	-
109-79-5	-	BUTYL MERCAPTAN	-	-	-	•	-	-	-
126-73-8	-	BUTYL PHOSPHATE	-	-	-	•	-	-	-

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
84-74-2	N-	BUTYL PHTHALATE	10	–	–	?	?	•	–
98-51-1	P-TERT-	BUTYL TOLUENE	–	–	–	•	–	–	–
75-64-9	TERT-	BUTYLAMINE	1000	–	–	–	–	•	–
78-81-9	ISO-	BUTYLAMINE	1000	–	–	–	–	•	–
109-73-9	–	BUTYLAMINE	1000	–	–	•	–	•	–
513-49-5	SEC-	BUTYLAMINE	1000	–	–	–	–	•	–
13952-84-6	SEC-	BUTYLAMINE	1000	–	–	–	–	•	–
106-88-7	1,2-	BUTYLENE OXIDE	–	–	–	–	•	–	–
89-72-5	O-SEC-	BUTYLPHENOL	–	–	–	•	–	–	–
123-72-8	–	BUTYRALDEHYDE	–	–	–	–	•	–	–
79-31-2	ISO-	BUTYRIC ACID	5000	–	–	–	–	•	–
107-92-6	–	BUTYRIC ACID	5000	–	–	–	–	•	–
3068-88-0	BETA-	BUTYROLACTONE	–	–	–	•	–	–	.
4680-78-8	–	C.I. ACID GREEN 3	–	–	–	–	•	–	.
569-64-2	–	C.I. BASIC GREEN 4	–	–	–	–	•	–	–
989-38-8	–	C.I. BASIC RED 1	–	–	–	–	•	–	–
1937-37-7	–	C.I. DIRECT BLACK 38	–	–	–	•	•	–	–
72-57-1	–	C.I. DIRECT BLUE 14	–	–	–	•	–	?	–
2602-46-2	–	C.I. DIRECT BLUE 6	–	–	–	•	•	–	–
16071-86-6	–	C.I. DIRECT BROWN 95	–	–	–	•	•	–	–
82-28-0	–	C.I. DISPERSE ORANGE 11	–	–	–	•	?	–	–
2832-40-8	–	C.I. DISPERSE YELLOW 3	–	–	–	–	•	–	–
81-88-9	–	C.I. FOOD RED 15	–	–	–	–	•	–	–
3761-53-3	–	C.I. FOOD RED 5	–	–	–	?	•	–	–
2646-17-5	–	C.I. SOLVENT ORANGE 2	–	–	–	•	–	–	–
3118-97-6	–	C.I. SOLVENT ORANGE 7	–	–	–	–	•	–	–
842-07-9	–	C.I. SOLVENT YELLOW 14	–	–	–	–	•	–	–
97-56-3	–	C.I. SOLVENT YELLOW 3	–	–	–	?	•	–	–
492-80-8	–	C.I. SOLVENT YELLOW 34 (AURAMINE)	1	–	–	•	•	•	–
128-66-5	–	C.I. VAT YELLOW 4	–	–	–	–	•	–	–
75-60-5	–	CACODYLIC ACID	1	–	–	–	–	•	–
[illegible]43-9	–	CADMIUM	10	–	–	•	•	•	–
[illegible]0-8	–	CADMIUM ACETATE	10	–	–	–	–	•	–
7789-42-6	–	CADMIUM BROMIDE	10	–	–	–	–	•	–
10108-64-2	–	CADMIUM CHLORIDE	10	–	–	•	–	•	–
–	–	CADMIUM COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
7440-43-9	–	CADMIUM DUST	–	–	–	•	?	?	–
7440-43-9	–	CADMIUM FUME	–	–	–	•	?	?	–
1306-19-0	–	CADMIUM OXIDE	1	100/10000	•	•	–	–	e
1306-19-0	–	CADMIUM OXIDE, FUME, AS CD	–	–	?	•	–	–	–
1306-19-0	–	CADMIUM OXIDE, PRODUCTION	–	–	?	•	–	–	–
7440-43-9	–	CADMIUM SALTS	–	–	–	•	?	?	–
2223-93-0	–	CADMIUM STEARATE	1	1000/10000	•	–	–	–	c,e
10124-36-4	–	CADMIUM SULFATE	–	–	–	•	–	–	–
1306-23-6	–	CADMIUM SULFIDE	–	–	–	•	•	–	–
7440-43-9	–	CADMIUM, COMPOUNDS	–	–	–	•	?	?	–
7778-44-1	–	CALCIUM ARSENATE	1	500/10000	•	–	–	•	d
52740-16-6	–	CALCIUM ARSENITE	1	–	–	–	–	•	–
75-20-7	–	CALCIUM CARBIDE	10	–	–	–	–	•	–
1317-65-3	–	CALCIUM CARBONATE/MARBLE	–	–	–	•	–	–	–
13765-19-0	–	CALCIUM CHROMATE	10	–	–	•	–	•	–
13765-19-0	–	CALCIUM CHROMATE, SINTERED	–	–	–	•	–	?	–
156-62-7	–	CALCIUM CYANAMIDE	–	–	–	•	•	–	–
592-01-8	–	CALCIUM CYANIDE	10	–	–	–	–	•	–
26264-06-2	–	CALCIUM DODECYLBENZENE SULFONATE	1000	–	–	–	–	•	–
1305-62-0	–	CALCIUM HYDROXIDE	–	–	–	•	–	–	–
7778-54-3	–	CALCIUM HYPOCHLORITE	10	–	–	–	–	•	–
1305-78-8	–	CALCIUM OXIDE	–	–	–	•	–	–	–
1344-95-2	–	CALCIUM SILICATE	–	–	–	•	–	–	–
8001-35-2	–	CAMPHECHLOR	1	500/10000	•	?	?	?	d
8001-35-2	–	CAMPHENE, OCTACHLORO-	1	–	?	?	?	•	–
76-22-2	–	CAMPHOR	–	–	–	•	–	–	–
56-25-7	–	CANTHARIDIN	1	100/10000	•	–	–	–	e
105-60-2	–	CAPROLACTAM	–	–	–	•	–	–	–
105-60-2	–	CAPROLACTAM, DUST	–	–	–	•	–	–	–
05-60-2	–	CAPROLACTAM, VAPOR AND AEROSOL	–	–	–	•	–	–	–
2425-06-1	–	CAPTAFOL	–	–	–	•	–	–	–
133-06-2	–	CAPTAN	10	–	–	•	?	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
133-06-2	–	CAPTAN [1H-ISOINDOLE-1,3(2H)-DIONE,3A,4,7,7A-TETRAHYDRO-2-[(TRICHLOROM	10	–	–	•	•	•	–
51-83-2	–	CARBACHOL CHLORIDE	1	500/10000	•	–	–	–	e
51-79-6	–	CARBAMIC ACID, ETHYL ESTER	100	–	–	?	?	•	–
26419-73-8	–	CARBAMIC ACID, METHYL-,0-[(2,4-DIMETHYL...	1	100/10000	•	–	–	–	e
615-53-2	–	CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER	1	–	–	?	–	•	–
79-44-7	–	CARBAMIC CHLORIDE, DIMETHYL-	1	–	–	?	?	•	–
759-73-9	–	CARBAMIDE, N-ETHYL-N-NITROSO-	1	–	–	?	?	•	–
684-93-5	–	CARBAMIDE, N-METHYL-N-NITROSO-	1	–	–	?	?	•	–
630-10-4	–	CARBAMIMIDOSELENOIC ACID	1000	–	–	–	–	•	–
2303-16-4	–	CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S(2,3-DICHLORO-2-PROPENYL)ESTER	100	–	–	–	?	•	–
63-25-2	–	CARBARYL	100	–	–	•	?	•	–
63-25-2	–	CARBARYL [1-NAPHTHALENOL, METHYLCARBAMATE]	100	–	–	•	•	•	–
1563-66-2	–	CARBOFURAN	10	10/10000.	•	•	–	•	–
75-15-0	–	CARBON BISULFIDE	100	–	?	?	?	•	–
1333-86-4	–	CARBON BLACK	–	–	–	•	–	–	–
1333-86-4	–	CARBON BLACKS, SOLVENT (BENZENE) EXTRACTS	–	–	–	•	–	–	–
124-38-9	–	CARBON DIOXIDE	–	–	–	•	–	–	–
75-15-0	–	CARBON DISULFIDE	100	10000	•	•	•	•	I
630-08-0	–	CARBON MONOXIDE	–	–	–	•	–	–	–
353-50-4	–	CARBON OXYFLUORIDE	1000	–	–	?	–	•	–
558-13-4	–	CARBON TETRABROMIDE	–	–	–	•	–	–	–
56-23-5	–	CARBON TETRACHLORIDE	10	–	–	•	•	•	–
6533-73-9	–	CARBONIC ACID, DITHALLIUM(I) SALT	100	100/10000	?	–	–	•	c,h
3333-67-3	–	CARBONIC ACID, NICKEL SALT	–	–	–	•	–	–	–
463-58-1	–	CARBONL SULFIDE	–	–	–	–	•	–	–
79-22-1	–	CARBONOCHLORIDIC ACID, METHYL ESTER	1000	–	?	–	–	•	–
75-44-5	–	CARBONYL CHLORIDE	10	–	?	?	?	•	–
353-50-4	–	CARBONYL FLUORIDE	1000	–	–	•	–	•	–
786-19-6	–	CARBOPHENOTHION	1	500	•	–	–	–	e
9000-07-1	–	CARRAGEENAN (DEGRADED)	–	–	–	•	–	–	–
120-80-9	–	CATECHOL	–	–	–	•	•	–	–
120-80-9	–	CATECHOL (PYROCATECHOL)	–	–	–	•	?	–	–
9004-34-6	–	CELLULOSE (PAPER FIBER)	–	–	–	•	–	–	–
21351-79-1	–	CESIUM HYDROXIDE	–	–	–	•	–	–	–
–	–	CHEMOTHERAPY FOR LYMPHOMAS (INCLUDING MOPP), CERTAIN COMBINED	–	–	–	•	–	–	–
75-87-6	–	CHLORAL	5000	–	–	–	–	•	–
133-90-4	–	CHLORAMBEN [BENZOIC ACID, 3-AMINO-2,5-DICHLORO-]	–	–	–	–	•	–	–
305-03-3	–	CHLORAMBUCIL	10	–	–	•	–	•	–
56-75-7	–	CHLORAMPHENICOL	–	–	–	•	–	–	–
57-74-9	–	CHLORDANE	1	1000	•	•	?	•	d
57-74-9	–	CHLORDANE, ALPHA & GAMMA ISOMERS	1	–	?	?	?	•	–
–	–	CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	–	–	–	–	–	•	–
57-74-9	–	CHLORDANE [4,7-METHANOINDAN,1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-H	1	1000	•	•	•	•	d
57-74-9	–	CHLORDANE, TECHNICAL	1	–	?	?	?	•	–
143-50-0	–	CHLORDECONE (KEPONE)	–	–	–	•	–	?	–
470-90-6	–	CHLORFENVINFOS	1	500	•	–	–	–	e
–	–	CHLORINATED BENZENES	–	–	–	–	–	•	–
8001-35-2	–	CHLORINATED CAMPHENE	–	–	?	•	?	?	–
55720-99-5	–	CHLORINATED DIPHENYL OXIDE	–	–	–	•	–	–	–
–	–	CHLORINATED ETHANES	–	–	–	–	–	•	–
–	–	CHLORINATED NAPHTHALENE	–	–	–	–	–	•	–
–	–	CHLORINATED PHENOLS	–	–	–	–	–	•	–
7782-50-5	–	CHLORINE	10	100	•	•	•	•	–
506-77-4	–	CHLORINE CYANIDE	10	–	–	?	–	•	–
10049-04-4	–	CHLORINE DIOXIDE	–	–	–	•	•	–	–
7790-91-2	–	CHLORINE TRIFLUORIDE	–	–	–	•	–	–	–
24934-91-6	–	CHLORMEPHOS	1	500	•	–	–	–	e

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
999-81-5	–	CHLORMEQUAT CHLORIDE	1	100/10000	•	–	–	–	a,b
494-03-1	–	CHLORNAPHAZINE	100	–	–	•	–	•	–
600-25-9	1-	CHLORO-1-NITROPROPANE	–	–	–	•	–	–	–
59-50-7	P-	CHLORO-M-CRESOL	5000	–	–	–	–	•	–
59-50-7	4-	CHLORO-M-CRESOL	5000	–	–	–	–	•	–
95-83-0	4-	CHLORO-O-PHENYLENEDIAMINE	–	–	–	•	–	–	–
95-69-2	P-	CHLORO-O-TOLUIDINE	–	–	–	•	–	–	–
3165-93-3	4-	CHLORO-O-TOLUIDINE, HYDROCHLORIDE	100	–	–	–	–	•	–
107-20-0	–	CHLOROACETALDEHYDE	1000	–	–	•	–	•	–
79-11-8	–	CHLOROACETIC ACID	1	100/10000	•	–	•	–	a
532-27-4	2-	CHLOROACETOPHENONE	–	–	–	?	•	–	–
532-27-4	ALPHA-	CHLOROACETOPHENONE	–	–	–	•	?	–	–
79-04-9	–	CHLOROACETYL CHLORIDE	–	–	–	•	–	–	–
–	–	CHLOROALKYL ETHERS	–	–	–	–	–	•	–
106-47-8	P-	CHLOROANILINE	1000	–	–	–	–	•	–
108-90-7	–	CHLOROBENZENE	100	–	–	•	•	•	–
510-15-6	–	CHLOROBENZILATE (BENEZENEACETIC ACID,4-CHLORO-ALPHA.-(4-CHLOROPHENYL)	10	–	–	–	•	•	–
2698-41-1	O-	CHLOROBENZYLIDENE MALONONITRILE (OCMB)	–	–	–	•	–	–	–
74-97-5	–	CHLOROBROMOMETHANE	–	–	–	•	–	–	–
124-48-1	–	CHLORODIBROMOMETHANE	100	–	–	–	–	•	–
75-45-6	–	CHLORODIFLUOROMETHANE	–	–	–	•	–	–	–
53469-21-9	–	CHLORODIPHENYL (42 PERCENT CHLORINE)	–	–	–	•	–	?	–
11097-69-1	–	CHLORODIPHENYL (54 PERCENT CHLORINE)	–	–	–	•	–	?	–
[illegible]00-3	–	CHLOROETHANE	100	–	–	?	?	•	–
[illegible]0-3	–	CHLOROETHANE (ETHYL CHLORIDE)	–	–	–	?	•	?	–
[illegible]07-3	–	CHLOROETHANOL	1	500	•	?	–	–	a
[illegible]7-11-2	–	CHLOROETHYL CHLOROFORMATE	1	1000	•	–	–	–	a
[illegible]10-75-8	2-	CHLOROETHYL VINYL ETHER	1000	–	–	–	–	•	–
13010-47-4	1-(2-	CHLOROETHYL)-3-CYCLOHEXYL-1-NITROSOUREA (CCNU)	–	–	–	•	–	–	–
67-66-3	–	CHLOROFORM	10	10000	•	•	•	•	d
74-87-3	–	CHLOROMETHANE (METHYL CHLORIDE)	–	–	–	?	•	?	–
542-88-1	–	CHLOROMETHYL ETHER	1	100	•	?	?	?	d,h
107-30-2	–	CHLOROMETHYL METHYL ETHER	10	100	•	•	•	•	c,d
91-58-7	BETA-	CHLORONAPHTHALENE	5000	–	–	–	–	•	–
91-58-7	2-	CHLORONAPHTHALENE	5000	–	–	–	–	•	–
76-15-3	–	CHLOROPENTAFLUOROETHANE	–	–	–	•	–	–	–
3691-35-8	–	CHLOROPHACINONE	1	100/10000	•	–	–	–	a
95-57-8	2-	CHLOROPHENOL	100	–	–	–	–	•	–
95-57-8	O-	CHLOROPHENOL	100	–	–	–	–	•	–
–	–	CHLOROPHENOLS (OCCUPATIONAL EXPOSURE TO)	–	–	–	•	–	–	–
–	–	CHLOROPHENOLS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	–	–
7005-72-3	4-	CHLOROPHENYL PHENYL ETHER	5000	–	–	–	–	•	–
5344-82-1	1-(O-	CHLOROPHENYL)THIOUREA	100	–	?	–	–	•	–
76-06-2	–	CHLOROPICRIN	–	–	–	•	–	–	–
126-99-8	–	CHLOROPRENE	–	–	–	•	•	–	–
542-76-7	3-	CHLOROPROPIONITRILE	1000	–	?	–	–	•	–
2039-87-4	O-	CHLOROSTYRENE	–	–	–	•	–	–	–
7790-94-5	–	CHLOROSULFONIC ACID	1000	–	–	–	–	•	–
1897-45-6	–	CHLOROTHALONIL (1-3-BENZENEDICARBONITRILE, 2,4,5,6-TETRACHLORO-)	–	–	–	–	•	–	–
95-49-8	O-	CHLOROTOLUENE	–	–	–	•	–	–	–
1982-47-4	–	CHLOROXURON	1	500/10000	•	–	–	–	a
2921-88-2	–	CHLORPYRIFOS	1	–	–	•	–	•	–
21923-23-9	–	CHLORTHIOPHOS	1	500	•	–	–	–	a,h
1066-30-4	–	CHROMIC ACETATE	1000	–	–	–	–	•	–
7738-94-5	–	CHROMIC ACID	10	–	–	–	–	•	–
11115-74-5	–	CHROMIC ACID	10	–	–	–	–	•	–
–	–	CHROMIC ACID AND CHROMATES	–	–	–	•	–	–	–
[illegible]5-19-0	–	CHROMIC ACID H2CRO4, CALCIUM SALT	10	–	–	?	–	•	–
[illegible]82-0	–	CHROMIC ANHYDRIDE	–	–	–	•	–	–	–
[illegible]025-73-7	–	CHROMIC CHLORIDE	1	1/10000	•	–	–	–	a
[illegible]101-53-8	–	CHROMIC SULFATE	1000	–	–	–	–	•	–

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
1308-31-2	–	CHROMITE ORE PROCESSING (CHROMATE)	–	–	–	•	–	–	–
7440-47-3	–	CHROMIUM	5000	–	–	•	•	•	–
7440-47-3	–	CHROMIUM (II) COMPOUNDS	–	–	–	•	?	?	–
7440-47-3	–	CHROMIUM (III) COMPOUNDS	–	–	–	•	?	?	–
7440-47-3	–	CHROMIUM (VI) COMPOUNDS, CERTAIN WATER INSOLUBLE	–	–	–	•	?	?	–
7440-47-3	–	CHROMIUM (VI) COMPOUNDS, WATER SOLUBLE	–	–	–	•	?	?	–
–	–	CHROMIUM COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
7440-47-3	–	CHROMIUM INSOLUBLE SALTS	–	–	–	•	?	?	–
1333-82-0	–	CHROMIUM TRIOXIDE	–	–	–	•	–	–	–
1333-82-0	–	CHROMIUM TRIOXIDE, SINTERED	–	–	–	•	–	–	–
7440-47-3	–	CHROMIUM, COMPOUNDS	–	–	–	•	?	?	–
7440-47-3	–	CHROMIUM, SOLUBLE CHROMIC, CHROMOUS SALTS	–	–	–	•	?	?	–
10049-05-5	–	CHROMOUS CHLORIDE	1000	–	–	–	–	•	–
14977-61-8	–	CHROMYL CHLORIDE	–	–	–	•	–	–	–
218-01-9	–	CHRYSENE	100	–	–	•	–	•	–
15663-27-1	–	CISPLATIN	–	–	–	•	–	–	–
6358-53-8	–	CITRUS RED NO. 2	–	–	–	•	–	–	–
2971-90-6	–	CLOPIDOL	–	–	–	•	–	–	–
–	–	COAL DUST (RESPIRABLE FRACTION LESS THAN 5% SIO2)	–	–	–	•	–	–	–
–	–	COAL DUST (RESPIRABLE FRACTION MORE THAN 5% SIO2)	–	–	–	•	–	–	–
–	–	COAL SOOT - EXTRACTS	–	–	–	•	–	–	–
8007-45-2	–	COAL TAR PITCH VOLATILES (BENZENE SOLUBLE FRACTION)	–	–	–	•	–	–	–
65996-93-2	–	COAL TAR PITCHES	–	–	–	•	–	–	–
8007-45-2	–	COAL TARS	–	–	–	•	–	–	–
7440-48-4	–	COBALT	–	–	–	•	•	–	–
10210-68-1	–	COBALT CARBONYL	1	10/10000	•	•	–	–	e,h
–	–	COBALT COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	–	–
16842-03-8	–	COBALT HYDROCARBONYL	–	–	–	•	–	–	–
7440-48-4	–	COBALT, METAL FUME AND DUST	–	–	–	•	?	–	–
62207-76-5	–	COBALT, [[2,2'-[1,2-ETHANEDIYLBIS(NITRILOMETHYL...	1	100/10000	•	–	–	–	e
11114-92-4	–	COBALT-CHROMIUM ALLOY	–	–	–	•	–	–	–
7789-43-7	–	COBALTOUS BROMIDE	1000	–	–	–	–	•	–
544-18-3	–	COBALTOUS FORMATE	1000	–	–	–	–	•	–
14017-41-5	–	COBALTOUS SULFAMATE	1000	–	–	–	–	•	–
–	–	COKE OVEN EMISSIONS	1	–	–	–	–	•	–
–	–	COKE OVEN EMISSIONS (POLYCYCLIC ORGANIC MATTER (POM)	–	–	–	•	–	–	–
64-86-8	–	COLCHICINE	1	10/10000	•	–	–	–	e,h
7440-50-8	–	COPPER	5000	–	–	•	•	•	–
12002-03-8	–	COPPER ACETOARSENITE	–	–	?	•	–	?	–
–	–	COPPER COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
544-92-3	–	COPPER CYANIDE	10	–	–	–	–	•	–
7440-50-8	–	COPPER DUSTS AND MISTS	–	–	–	•	?	?	–
7440-50-8	–	COPPER FUME	–	–	–	•	?	?	–
–	–	COTTON DUST	–	–	–	•	–	–	–
–	–	COTTON DUST (RAW)	–	–	–	•	–	–	–
56-72-4	–	COUMAPHOS	10	100/10000	•	–	–	•	–
5836-29-3	–	COUMATETRALYL	1	500/10000	•	–	–	–	e
8001-58-9	–	CREOSOTE	1	–	–	•	•	•	–
8021-39-4	–	CREOSOTE, WOOD	–	–	–	•	–	–	–
120-71-8	P-	CRESIDINE	–	–	–	•	•	–	–
95-48-7	O-	CRESOL	1000	1000/10000	•	•	•	•	d
106-44-5	P-	CRESOL	1000	–	–	•	•	•	–
108-39-4	M-	CRESOL	1000	–	–	•	•	•	–
1319-77-3	–	CRESOL (MIXED ISOMERS)	–	–	–	•	•	?	–
1319-77-3	–	CRESOL(S)	1000	–	–	•	?	•	–
95-48-7	O-	CRESYLIC ACID	1000	–	?	?	?	•	–
106-44-5	P-	CRESYLIC ACID	1000	–	–	?	?	•	–
108-39-4	M-	CRESYLIC ACID	1000	–	–	?	?	•	–
1319-77-3	–	CRESYLIC ACID	1000	–	–	?	?	•	–
535-89-7	–	CRIMIDINE	1	100/10000	•	–	–	–	e

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
14464-46-1	–	CRISTOBALITE (SILICA)	–	–	–	•	–	–	–
4170-30-3	–	CROTONALDEHYDE	100	1000	•	–	–	•	–
123-73-9	–	CROTONALDEHYDE (E)-	100	1000	•	•	–	•	–
299-86-5	–	CRUFOMATE	–	–	–	•	–	–	–
98-82-8	–	CUMENE	5000	–	–	•	•	•	–
80-15-9	–	CUMENE HYDROPEROXIDE	–	–	–	–	•	?	–
135-20-6	–	CUPFERRON	–	–	–	•	?	–	–
135-20-6	–	CUPFERRON [BENZENEAMINE, N-HYDROXY-N-NITROSO, AMMONIUM SALT]	–	–	–	•	•	–	–
142-71-2	–	CUPRIC ACETATE	100	–	–	–	–	•	–
12002-03-8	–	CUPRIC ACETOARSENITE	1	–	?	–	–	•	–
7447-39-4	–	CUPRIC CHLORIDE	10	–	–	–	–	•	–
3251-23-8	–	CUPRIC NITRATE	100	–	–	–	–	•	–
5893-66-3	–	CUPRIC OXALATE	100	–	–	–	–	•	–
7758-98-7	–	CUPRIC SULFATE	10	–	–	–	–	•	–
10380-29-7	–	CUPRIC SULFATE AMMONIATED	100	–	–	–	–	•	–
815-82-7	–	CUPRIC TARTRATE	100	–	–	–	–	•	–
420-04-2	–	CYANAMIDE	–	–	–	•	–	–	–
–	–	CYANIDE COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
151-50-8	–	CYANIDES	–	–	?	•	–	?	–
57-12-5	–	CYANIDES (AS CN)	–	–	–	•	?	?	–
57-12-5	–	CYANIDES (SOLUABLE CYANIDE SALTS), NOT ELSEWHERE SPECIFIED	10	–	–	?	?	•	–
143-33-9	–	CYANIDES AS CN	–	–	?	•	–	?	–
460-19-5	–	CYANOGEN	100	–	–	•	–	•	–
506-68-3	–	CYANOGEN BROMIDE	1000	500/10000	•	–	–	•	–
·77-4	–	CYANOGEN CHLORIDE	10	–	–	•	–	•	–
-78-5	–	CYANOGEN IODIDE	1	1000/10000	•	–	–	–	•
336-26-2	–	CYANOPHOS	1	1000	•	–	–	–	•
75-14-9	–	CYANURIC FLUORIDE	1	100	•	–	–	–	•
14901-08-7	–	CYCASIN	–	–	–	•	–	–	–
106-51-4	1,4-	CYCLOHEXADIENEDIONE	10	–	–	?	?	•	–
110-82-7	–	CYCLOHEXANE	1000	–	–	•	•	•	–
58-89-8	–	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1 ALPHA, 2 ALPHA, 3 BETA, 4 ALPHA, 5 ALPHA, 6 BETA	1	–	?	?	?	•	–
108-93-0	–	CYCLOHEXANOL	–	–	–	•	–	–	–
108-94-1	–	CYCLOHEXANONE	5000	–	–	•	–	•	–
110-83-8	–	CYCLOHEXENE	–	–	–	•	–	–	–
66-81-9	–	CYCLOHEXIMIDE	1	100/10000	•	–	–	–	•
108-91-8	–	CYCLOHEXYLAMINE	1	10000	•	•	–	–	e,l
121-82-4	–	CYCLONITE	–	–	–	•	–	–	–
542-92-7	–	CYCLOPENTADIENE	–	–	–	•	–	–	–
77-47-4	1,3-	CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-	10	–	?	?	?	•	–
287-92-3	–	CYCLOPENTANE	–	–	–	•	–	–	–
50-18-0	–	CYCLOPHOSPHAMIDE	10	–	–	•	–	•	–
13121-70-5	–	CYHEXATIN	–	–	–	•	–	–	–
94-75-7	2,4-	D	–	–	–	•	?	?	–
94-75-7	2,4-	D ACID	100	–	–	?	?	•	–
94-11-1	2,4-	D ESTERS	100	–	–	–	–	•	–
94-79-1	2,4-	D ESTERS	100	–	–	–	–	•	–
94-80-4	2,4-	D ESTERS	100	–	–	–	–	•	–
1320-18-9	2,4-	D ESTERS	100	–	–	–	–	•	–
1928-38-7	2,4-	D ESTERS	100	–	–	–	–	•	–
1928-61-6	2,4-	D ESTERS	100	–	–	–	–	•	–
1929-73-3	2,4-	D ESTERS	100	–	–	–	–	•	–
2971-38-2	2,4-	D ESTERS	100	–	–	–	–	•	–
25168-26-7	2,4-	D ESTERS	100	–	–	–	–	•	–
53467-11-1	2,4-	D ESTERS	100	–	–	–	–	•	–
94-75-7	2,4-	D [ACETIC ACID, (2,4-DICHLOROPHENOXY)-]	–	–	–	•	•	?	–
94-75-7	2,4-	D, SALTS AND ESTERS	100	–	–	?	?	•	–
4342-03-4	–	DACARBAZINE	–	–	–	•	–	–	–
20830-81-3	–	DAUNOMYCIN	10	–	–	•	–	•	–
72-54-8	–	DDD	1	–	–	–	–	•	–
4-8	4,4'	DDD	1	–	–	–	–	•	–
5-9	–	DDE	1	–	–	–	–	•	–
55-9	4,4'	DDE	1	–	–	–	–	•	–
0-29-3	–	DDT	1	–	–	•	–	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
50-29-3	4,4'	DDT	1	–	–	?	–	•	–
–	–	DDT AND METABOLITES	–	–	–	?	–	•	–
17702-41-9	–	DECABORANE	–	–	?	•	–	–	–
17702-41-9	–	DECABORANE(14)	1	500/10000	•	?	–	–	•
1163-19-5	–	DECABROMODIPHENYL OXIDE	–	–	–	–	•	–	–
8065-48-3	–	DEMETON	1	500	•	•	–	–	•
919-86-8	–	DEMETON-S-METHYL	1	500	•	–	–	–	•
117-81-7	–	DI(2-ETHYLHEXYL)PHTHALATE (DEHP)	–	–	–	•	•	?	–
84-74-2	–	DI-N-BUTYL PHTHALATE	10	–	–	?	?	•	–
117-84-0	–	DI-N-OCTYL PHTHALATE	5000	–	–	–	?	•	–
621-64-7	–	DI-N-PROPYLNITROSAMINE	10	–	–	?	?	•	–
117-81-7	–	DI-SEC. OCTYL PHTHALATE	–	–	–	•	?	?	–
123-42-2	–	DIACETONE ALCOHOL	–	–	–	•	-	–	–
613-35-4	N,N'-	DIACETYLBENZIDINE	–	–	–	•	–	–	–
10311-84-9	–	DIALIFOS	1	100/10000	•	–	–	–	•
2303-16-4	–	DIALLATE	100	–	–	–	?	•	–
2303-16-4	–	DIALLATE [CARBAMOTHIOIC ACID, BIS (1-METHYLETHYL)-, S-(2-3-DICHLORO-2-	100	–	–	–	•	•	–
302-01-2	–	DIAMINE	1	–	?	?	?	•	–
615-05-4	2,4-	DIAMINOANISOLE	–	–	–	–	•	–	–
39156-41-7	2,4-	DIAMINOANISOLE SULFATE	–	–	–	•	•	–	–
101-80-4	4,4'-	DIAMINODIPHENYL ETHER	–	–	–	•	•	–	–
95-80-7	2,4-	DIAMINOTOLUENE	–	–	–	•	•	?	–
95-80-7	–	DIAMINOTOLUENE	10	–	–	?	?	•	–
496-72-0	–	DIAMINOTOLUENE	10	–	–	–	–	•	–
823-40-5	–	DIAMINOTOLUENE	10	–	–	–	–	•	–
25376-45-8	–	DIAMINOTOLUENE	10	–	–	–	?	•	–
25376-45-8	–	DIAMINOTOLUENE (MIXED ISOMERS)	–	–	–	–	•	?	–
5333-41-5	–	DIAZINON	1	–	–	•	–	•	–
334-88-3	–	DIAZOMETHANE	–	–	–	•	•	–	–
53-70-3	1,2:5,6-	DIBENZANTHRACENE	1	–	–	•	–	•	–
192-65-4	–	DIBENZO(A,E)PYRENE	–	–	–	•	–	–	–
191-30-0	–	DIBENZO(A,L)PYRENE	–	–	–	•	–	–	–
194-59-2	7H-	DIBENZO(C,G)CARBAZOLE	–	–	–	•	–	–	–
132-64-9	–	DIBENZOFURAN	–	–	–	–	•	–	–
189-55-9	1,2:7,8-	DIBENZOPYRENE	10	–	–	?	–	•	–
53-70-3	–	DIBENZO(A)ANTHRACENE	1	–	–	?	–	•	–
189-64-0	–	DIBENZO(A,H)PYRENE	–	–	–	•	–	–	–
189-55-9	–	DIBENZO(A,I)PYRENE	10	–	–	•	–	?	–
226-36-8	–	DIBENZ[A,H]ACRIDINE	–	–	–	•	–	–	–
53-70-3	–	DIBENZ[A,H]ANTHRACENE	1	–	–	?	–	•	–
189-55-9	–	DIBENZ[A,I]PYRENE	10	–	–	?	–	•	–
224-42-0	–	DIBENZ[A,J]ACRIDINE	–	–	–	•	–	–	–
19287-45-7	–	DIBORANE	1	100	•	•	–	–	•
96-12-8	1,2-	DIBROMO-3-CHLOROPROPANE	1	–	–	•	?	•	–
96-12-8	1,2-	DIBROMO-3-CHLOROPROPANE (DBCP)	–	–	–	?	•	?	–
106-93-4	1,2-	DIBROMOETHANE (ETHYLENE DIBROMIDE)	–	–	–	•	•	?	–
107-66-4	–	DIBUTYL PHOSPHATE	–	–	–	•	–	–	–
84-74-2	–	DIBUTYL PHTHALATE	10	–	–	•	•	•	–
102-81-8	2-N-	DIBUTYLAMINOETHANOL	–	–	–	•	–	–	–
1918-00-9	–	DICAMBA	1000	–	–	–	–	•	–
1194-65-6	–	DICHLOBENIL	100	–	–	–	–	•	–
117-80-6	–	DICHLONE	1	–	–	–	–	•	–
594-72-9	1,1-	DICHLORO-1-NITROETHANE	–	–	–	•	–	–	–
764-41-0	1,4-	DICHLORO-2-BUTENE	1	–	–	–	–	•	–
28434-86-8	3,3'-	DICHLORO-4,4'-DIAMINODIPHENYL ETHER	–	–	–	•	–	–	–
118-52-5	1,3-	DICHLORO-5,5-DIMETHYLHYDANTOIN	–	–	–	•	–	–	–
23950-58-5	3,5-	DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)BENZAMIDE	5000	–	–	–	–	•	–
609-20-1	2,6-	DICHLORO-PARA-PHENYLENEDIAMINE	–	–	–	•	–	–	–
7572-29-4	–	DICHLOROACETYLENE	–	–	–	•	–	–	–
95-50-1	1,2-	DICHLOROBENZENE	100	–	–	?	•	•	–
95-50-1	O-	DICHLOROBENZENE	100	–	–	•	?	•	–
106-46-7	P-	DICHLOROBENZENE	100	–	–	•	?	•	–
106-46-7	1,4-	DICHLOROBENZENE	100	–	–	?	•	•	–
541-73-1	1,3-	DICHLOROBENZENE	100	–	–	–	•	•	–
541-73-1	M -	DICHLOROBENZENE	100	–	–	–	?	•	–
25321-22-6	–	DICHLOROBENZENE (MIXED ISOMERS)	–	–	–	–	•	?	–
25321-22-6	–	DICHLOROBENZENE (MIXED)	100	–	–	–	?	•	–
91-94-1	3,3'-	DICHLOROBENZIDENE	1	–	–	•	?	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
–	–	DICHLOROBENZIDINE	–	–	–	?	?	•	–
91-94-1	3,3-	DICHLOROBENZIDINE	–	–	–	?	•	?	–
91-94-1	3,3'-	DICHLOROBENZIDINE (AND ITS SALTS)	–	–	–	•	?	?	–
91-94-1	3,3'-	DICHLOROBENZIDINE (DCB)	–	–	–	•	?	?	–
75-27-4	–	DICHLOROBROMOMETHANE	5000	–	–	–	•	•	–
110-57-6	TRANS-1,4-	DICHLOROBUTENE	1	500	•	–	–	–	e
75-71-8	–	DICHLORODIFLUOROMETHANE	5000	–	–	•	–	•	–
72-54-8	–	DICHLORODIPHENYL DICHLOROETHANE	1	–	–	–	–	•	–
50-29-3	–	DICHLORODIPHENYL TRICHLOROETHANE	1	–	–	?	–	•	–
75-34-3	1,1-	DICHLOROETHANE	1000	–	–	•	–	•	–
107-06-2	1,2-	DICHLOROETHANE	100	–	–	•	?	•	–
107-06-2	1,2-	DICHLOROETHANE (ETHYLENE DICHLORIDE)	–	–	–	?	•	?	-
111-44-4	–	DICHLOROETHYL ETHER	10	10000	•	•	?	•	d
75-35-4	1,1-	DICHLOROETHYLENE	100	–	–	•	?	•	–
156-60-5	1,2-TRANS-	DICHLOROETHYLENE	1000	–	–	–	–	•	–
540-59-0	1,2-	DICHLOROETHYLENE	–	–	–	•	•	–	–
75-43-4	–	DICHLOROFLUOROMETHANE	–	–	–	•	–	–	–
75-09-2	–	DICHLOROMETHANE (METHYLENE CHLORIDE)	1000	–	–	?	•	•	–
111-91-1	–	DICHLOROMETHOXYETHANE	1000	–	–	–	–	•	–
542-88-1	–	DICHLOROMETHYL ETHER	10	–	?	?	?	•	–
149-74-6	–	DICHLOROMETHYLPHENYLSILANE	1	1000	•	–	–	–	e
87-65-0	2,6-	DICHLOROPHENOL	100	–	–	–	–	•	–
120-83-2	2,4-	DICHLOROPHENOL	100	–	–	–	•	•	–
94-75-7	2,4-	DICHLOROPHENOXYACETIC ACID, SALTS AND ESTERS	100	–	–	?	?	•	–
696-28-6	–	DICHLOROPHENYLARSINE	1	–	?	–	–	•	–
37-5	1,2-	DICHLOROPROPANE	1000	–	–	?	•	•	–
99-9	1,1-	DICHLOROPROPANE	1000	–	–	–	–	•	–
2-28-9	1,3-	DICHLOROPROPANE	1000	–	–	–	–	•	–
638-19-7	–	DICHLOROPROPANE	1000	–	–	–	–	•	–
8003-19-8	–	DICHLOROPROPANE - DICHLOROPROPENE (MIXTURE)	100	–	–	–	–	•	–
542-75-6	1,3-	DICHLOROPROPENE	100	–	–	?	?	•	–
542-75-6	–	DICHLOROPROPENE	–	–	–	•	?	?	–
26952-23-8	–	DICHLOROPROPENE	100	–	–	–	–	•	–
78-88-6	2,3-	DICHLOROPROPENE (ISOMER)	100	–	–	–	•	•	–
26952-23-8	–	DICHLOROPROPENE(S)	100	–	–	–	–	•	–
75-99-0	2,2-	DICHLOROPROPIONIC ACID	5000	–	–	•	–	•	–
542-75-6	1,3-	DICHLOROPROPYLENE	–	–	–	?	•	?	–
1320-37-2	–	DICHLOROTETRAFLUOROETHANE	–	–	–	•	–	–	–
62-73-7	–	DICHLORVOS	10	1000	•	•	?	•	–
62-73-7	–	DICHLORVOS [PHOSPHORIC ACID, 2,2-DICHLOROETHENYL DIMETHYL ESTER]	10	1000	•	•	•	•	–
115-32-2	–	DICOFOL [BENZENEMETHANOL,4-CHLORO-ALPHA.-(4-CHLOROPHENYL)-ALPHA-(TRICHLOROMETHYL)-]	10	–	–	–	•	?	–
141-66-2	–	DICROTOPHOS	1	100	•	•	–	–	e
77-73-6	–	DICYCLOPENTADIENE	–	–	–	•	–	–	–
102-54-5	–	DICYCLOPENTADIENYL IRON	–	–	–	•	–	–	–
60-57-1	–	DIELDRIN	1	–	–	•	–	•	–
84-17-3	–	DIENOESTROL	–	–	–	•	–	–	–
1464-53-5	–	DIEPOXYBUTANE	1	500	•	•	•	?	d
1464-53-5	1,2-3,4-	DIEPOXYBUTANE	10	–	?	?	?	•	–
111-42-2	–	DIETHANOLAMINE	–	–	–	•	•	–	–
814-49-3	–	DIETHYL CHLOROPHOSPHATE	1	500	•	–	–	–	a,h
96-22-0	–	DIETHYL KETONE	–	–	–	•	–	–	–
297-97-2	O,O-	DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE	100	–	?	–	–	•	–
84-66-2	–	DIETHYL PHTHALATE	1000	–	–	•	•	•	–
3288-58-2	O,O-	DIETHYL S-METHYL DITHIOPHOSPHATE	5000	–	–	–	–	•	–
298-04-4	O,O-	DIETHYL S-[2-(ETHYLTHIO)ETHYL] PHOSPHORODITHIOATE	1	–	?	?	–	•	–
64-67-5	–	DIETHYL SULPHATE	–	–	–	•	•	–	–
311-45-5	–	DIETHYL-P-NITROPHENYL PHOSPHATE	100	–	–	–	–	•	–
9-89-7	–	DIETHYLAMINE	100	–	–	•	–	•	g
37-8	2-	DIETHYLAMINOETHANOL	–	–	–	•	–	–	–
2-42-2	–	DIETHYLARSINE	1	–	–	–	–	•	–
142-54-2	–	DIETHYLCARBAMAZINE CITRATE	1	100/10000	•	–	–	–	e
23-91-1	1,4-	DIETHYLENE DIOXIDE	100	–	–	?	?	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
111-40-0	–	DIETHYLENE TRIAMINE	–	–	–	•	–	–	–
1615-80-1	1,2-	DIETHYLHYDRAZINE	–	–	–	•	–	?	–
1615-80-1	N,N'-	DIETHYLHYDRAZINE	10	–	–	?	–	•	–
56-53-1	–	DIETHYLSTILBESTROL	1	–	–	•	–	•	–
75-61-6	–	DIFLUORODIBROMOMETHANE	–	–	–	•	–	–	–
71-63-6	–	DIGITOXIN	1	100/10000	•	–	–	–	c,e
2238-07-5	–	DIGLYCIDYL ETHER	1	1000	•	?	–	–	e
2238-07-5	–	DIGLYCIDYL ETHER (DGE)	–	–	?	•	–	–	–
101-90-6	–	DIGLYCIDYL RESORCINAL ETHER	–	–	–	•	–	–	–
101-90-6	–	DIGLYCIDYL RESORCINAL ETHER (TECHNICAL GRADE)	–	–	–	•	–	–	–
20830-75-5	–	DIGOXIN	1	10/10000	•	–	–	–	e,h
123-33-1	1,2-	DIHYDRO-3,6-PYRIDAZINEDIONE	5000	–	–	–	–	•	–
94-58-6	–	DIHYDROSAFROLE	10	–	–	•	–	•	–
123-31-9	–	DIHYDROXYBENZENE	–	–	?	•	?	–	–
108-83-8	–	DIISOBUTYL KETONE	–	–	–	•	–	–	–
55-91-4	–	DIISOPROPYL FLUOROPHOSPHATE	100	–	?	–	–	•	–
108-18-9	–	DIISOPROPYLAMINE	–	–	–	•	–	–	–
115-26-4	–	DIMEFOX	1	500	•	–	–	–	e
309-00-2	1,4,5,8-	DIMETHANONAPHTHALENE,1,2,3,4,10,10-10-HEXACHLORO-1,4,4A,5,8,8A-HEXAHYDRO-,...	1	500/10000	•	•	•	•	d
465-73-6	1,4,5,8-	DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXACHLORO-1,4,4A,8A-HEXAHYDRO-,...	1	–	?	–	–	•	–
60-57-1	2,7:3,6-	DIMETHANONOPHTH [2,3-B] OXIRENE,3,4,5,6,9,9-HEXACHLORO-1,4,4A,5,8A-HEXAHYDRO-,... (SEE DIELDRIN)	1	–	–	?	–	•	–
72-20-8	2,7:3,6-	DIMETHANONOPHTH [2,3-B] OXIRENE,3,4,5,6,9,9-HEXACHLORO-1,4,4A,5,8A-HEXAHYDRO-,... (SEE ENDRIN)	1	–	?	?	–	•	–
60-51-5	–	DIMETHOATE	10	500/10000	•	–	–	•	–
119-90-4	3,3'-	DIMETHOXYBENZIDINE	100	–	–	•	•	•	–
91-93-0	3,3'-	DIMETHOXYBENZIDINE-4,4'-DIISOCYANATE	–	–	–	•	–	–	–
39196-18-4	3,3-	DIMETHYL -1-(METHYLTHIO)-2-BUTANONE,O-[(METHYLAMINO)CARBONYL] OXIME	100	–	?	–	–	•	–
127-19-5	–	DIMETHYL ACETAMIDE	–	–	–	•	–	–	–
298-00-0	O,O-	DIMETHYL O-P-NITROPHENYL PHOSPHOROTHIOATE	100	–	?	?	–	•	–
2524-03-0	–	DIMETHYL PHOSPHOROCHLORIDOTHIOATE	1	500	•	–	–	–	e
131-11-3	–	DIMETHYL PHTHALATE	5000	–	–	•	•	•	–
77-78-1	–	DIMETHYL SULFATE	100	500	•	•	•	•	d
99-98-9	–	DIMETHYL-P-PHENYLENEDIAMINE	1	10/10000	•	–	–	–	e
124-40-3	–	DIMETHYLAMINE	1000	–	–	•	–	•	–
55738-54-0	TRANS-2(	DIMETHYLAMINO)METHYLIMINO)-5-(2-(5-NITRO-2-FURYL)VINYL)-1,3,4-OXADIAZO	–	–	–	•	–	–	–
60-11-7	4-	DIMETHYLAMINOAZOBENZENE	–	–	–	?	•	?	–
60-11-7	–	DIMETHYLAMINOAZOBENZENE	10	–	–	•	?	•	–
60-11-7	PARA-	DIMETHYLAMINOAZOBENZENE	–	–	–	•	?	?	–
121-69-7	N,N-	DIMETHYLANILINE	–	–	–	•	•	–	–
121-69-7	–	DIMETHYLANILINE	–	–	–	•	?	–	–
119-93-7	3,3'-	DIMETHYLBENZIDINE	10	–	–	?	?	•	–
119-93-7	3,3-	DIMETHYLBENZIDINE (O-TOLIDINE)	–	–	–	?	•	?	–
80-15-9	ALPHA, ALPHA-	DIMETHYLBENZYLHYDROPEROXIDE	10	–	–	–	?	•	–
57-97-6	7,12-	DIMETHYLBENZ[A]ANTHRACENE	1	–	–	–	–	•	–
79-44-7	–	DIMETHYLCARBOMOYL CHLORIDE	1	–	–	•	•	•	–
75-78-5	–	DIMETHYLDICHLOROSILANE	1	500	•	–	–	–	e,h
68-12-2	–	DIMETHYLFORMAMIDE	–	–	–	•	–	–	–
57-14-7	–	DIMETHYLHYDRAZINE	1	1000	•	?	?	?	d
57-14-7	1,1-	DIMETHYLHYDRAZINE	10	–	?	•	•	•	–
540-73-8	1,2-	DIMETHYLHYDRAZINE	1	–	–	•	–	•	–
62-75-9	–	DIMETHYLNITROSAMINE	1	–	?	?	?	•	–
122-09-8	ALPHA, ALPHA-	DIMETHYLPHENETHYLAMINE	5000	–	–	–	–	•	–
105-67-9	2,4-	DIMETHYLPHENOL	100	–	–	–	•	•	–
644-64-4	–	DIMETILAN	1	500/10000	•	–	–	–	e
148-01-6	–	DINITOLMIDE	–	–	–	•	–	–	–
534-52-1	–	DINITRO-O-CRESOL	–	–	?	•	?	?	–
534-52-1	4,6-	DINITRO-O-CRESOL	–	–	?	?	•	?	–
534-52-1	4,6-	DINITRO-O-CRESOL AND SALTS	10	–	?	?	?	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
131-89-5	4,6-	DINITRO-O-CYCLOHEXYLPHENOL	100	–	–	–	–	•	–
99-65-0	M-	DINITROBENZENE	100	–	–	•	•	•	–
100-25-4	P-	DINITROBENZENE	100	–	–	•	•	•	–
528-29-0	O-	DINITROBENZENE	100	–	–	•	•	•	–
25154-54-5	–	DINITROBENZENE (MIXED)	100	–	–	–	–	•	–
534-52-1	–	DINITROCRESOL	10	10/10000	•	?	?	?	–
51-28-5	2,4-	DINITROPHENOL	10	–	–	–	•	•	–
329-71-5	2,5-	DINITROPHENOL	10	–	–	–	–	•	–
573-56-8	2,6-	DINITROPHENOL	10	–	–	–	–	•	–
25550-58-7	–	DINITROPHENOL	10	–	–	–	–	•	–
121-14-2	2,4-	DINITROTOLUENE	10	–	–	–	•	•	–
606-20-2	2,6-	DINITROTOLUENE	100	–	–	–	•	•	–
610-39-9	3,4-	DINITROTOLUENE	10	–	–	–	•	•	–
25321-14-6	–	DINITROTOLUENE	10	–	–	•	•	•	–
88-85-7	–	DINOSEB	1000	100/10000	•	–	–	•	–
1420-07-1	–	DINOTERB	1	500/10000	•	–	–	–	e
117-84-0	N-	DIOCTYLPHTHALATE	–	–	–	–	•	?	–
123-91-1	1,4-	DIOXANE	100	–	–	•	•	•	–
123-91-1	–	DIOXANE	–	–	–	•	?	?	–
123-91-1	–	DIOXANE, TECHNICAL GRADE	–	–	–	•	?	?	–
78-34-2	–	DIOXATHION	1	500	•	•	–	–	e
82-66-6	–	DIPHACINONE	1	10/10000	•	–	–	–	e
122-66-7	1,2-	DIPHENYL HYDRAZINE (HYDRAZOBENZENE)	–	–	–	?	•	?	–
122-39-4	–	DIPHENYLAMINE	–	–	–	•	–	–	–
–	–	DIPHENYLHYDRAZINE	–	–	–	–	–	•	–
122-66-7	1,2-	DIPHENYLHYDRAZINE	10	–	–	•	?	•	–
152-16-9	–	DIPHOSPHORAMIDE, OCTAMETHYL-	100	100	•	–	–	•	–
565-19-3	–	DIPROPYL KETONE	–	–	–	•	–	–	–
84-7	–	DIPROPYLAMINE	5000	–	–	–	–	•	–
590-94-8	–	DIPROPYLENE GLYCOL METHYL ETHER	–	–	–	•	–	–	–
5-00-7	–	DIQUAT	1000	–	–	•	–	•	–
2764-72-9	–	DIQUAT	1000	–	–	–	–	•	–
1937-37-7	–	DIRECT BLACK 38, TECHNICAL GRADE	–	–	–	•	?	–	–
2602-46-2	–	DIRECT BLUE 6, TECHNICAL GRADE	–	–	–	•	?	–	–
16071-86-6	–	DIRECT BROWN 95, TECHNICAL GRADE	–	–	–	•	?	–	–
97-77-8	–	DISULFIRAM	–	–	–	•	–	–	–
298-04-4	–	DISULFOTON	1	500	•	•	–	•	–
128-37-0	2,6-	DITERT. BUTYL-P-CRESOL	–	–	–	•	–	–	–
514-73-8	–	DITHIAZANINE IODIDE	1	500/10000	•	–	–	–	e
541-53-7	2,4-	DITHIOBIURET	100	–	?	–	–	•	–
541-53-7	–	DITHIOBIURET	100	100/10000	•	–	–	?	–
3689-24-5	–	DITHIOPYROPHOSPHORIC ACID, TETRAETHYL ESTER	100	–	?	?	–	•	–
330-54-1	–	DIURON	100	–	–	•	–	•	–
108-57-6	–	DIVINYL BENZENE (BENZENE, 1,3-DIETHENYL-)	–	–	–	•	–	–	–
27176-87-0	–	DODECYLBENZENESULFONIC ACID	1000	–	–	–	–	•	–
112-62-9	–	EMERY	–	–	–	•	–	–	–
316-42-7	–	EMETINE, DIHYDROCHLORIDE	1	1/10000	•	–	–	–	a,h
115-29-7	–	ENDOSULFAN	1	10/10000	•	•	–	•	–
959-98-8	ALPHA-	ENDOSULFAN	1	–	–	–	–	•	–
33213-65-9	BETA-	ENDOSULFAN	1	–	–	–	–	•	–
–	–	ENDOSULFAN AND METABOLITES	–	–	–	–	–	•	–
1031-07-8	–	ENDOSULFAN SULFATE	1	–	–	–	–	•	–
145-73-3	–	ENDOTHALL	1000	–	–	–	–	•	–
2778-04-3	–	ENDOTHION	1	500/10000	•	–	–	–	e
72-20-8	–	ENDRIN	1	500/10000	•	•	–	•	–
7421-93-4	–	ENDRIN ALDEHYDE	1	–	–	–	–	•	–
–	–	ENDRIN AND METABOLITES	–	–	–	–	–	•	–
13838-16-9	–	ENFLURANE	–	–	–	•	–	–	–
106-89-8	–	EPICHLOROHYDRIN	100	1000	•	•	•	•	d,l
51-43-4	–	EPINEPHRINE	1000	–	–	–	–	•	–
2104-64-5	–	EPN	1	100/10000	•	•	–	–	e
50-14-6	–	ERGOCALCIFEROL	1	1000/10000	•	–	–	–	c,e
379-79-3	–	ERGOTAMINE TARTRATE	1	500/10000	•	–	–	–	e
50-28-2	–	ESTRADIOL	–	–	–	•	–	–	–
7-07-0	–	ETHANAL	1000	–	–	?	?	•	–
09-8	–	ETHANAMINE, 1,1-DIMETHYL-2-PHENYL	5000	–	–	–	–	•	–
5-18-5	–	ETHANAMINE, N-ETHYL-N-NITROSO	1	–	–	?	?	•	–
4-84-0	–	ETHANE	–	–	–	•	–	–	–
111-44-4	–	ETHANE, 1,1'-OXYBIS(2-CHLORO-	10	–	?	?	?	•	–
60-29-7	–	ETHANE, 1,1'-OXYBIS-	100	–	–	?	–	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
111-91-1	–	ETHANE, 1,1'-(METHYLENEBIS(OXY))BIS(2-CHLORO-	1000	–	–	–	–	•	–
630-20-6	–	ETHANE, 1,1,1,2-TETRACHLORO-	100	–	–	–	–	•	–
72-43-5	–	ETHANE, 1,1,1-TRICHLORO-2,2-BIS(P-METHOXYPHENYL)-	1	–	–	?	?	•	–
79-34-5	–	ETHANE, 1,1,2,2-TETRACHLORO-	100	–	–	•	?	•	–
79-00-5	–	ETHANE, 1,1,2-TRICHLORO-	100	–	–	?	?	•	–
75-34-3	–	ETHANE, 1,1-DICHLORO-	1000	–	–	?	–	•	–
106-93-4	–	ETHANE, 1,2-DIBROMO	1	–	–	?	?	•	–
107-06-2	–	ETHANE, 1,2-DICHLORO-	100	–	–	?	?	•	–
67-72-1	–	ETHANE, HEXACHLORO-	100	–	–	?	?	•	–
76-01-7	–	ETHANE, PENTACHLORO-	10	–	–	–	–	•	–
111-54-6	1,2-	ETHANEDIYLBISCARBAMODITHIOIC ACID	5000	–	–	–	–	•	–
75-05-8	–	ETHANENITRILE	5000	–	–	?	?	•	–
1622-32-8	–	ETHANESULFONYL CHLORIDE, 2-CHLORO-	1	500	•	–	–	–	e
62-55-5	–	ETHANETHIOAMIDE	10	–	–	?	?	•	–
10140-87-1	–	ETHANOL, 1,2-DICHLORO-, ACETATE	1	1000	•	–	–	–	e
1116-54-7	–	ETHANOL, 2,2'-(NITROSOIMINO)BIS	1	–	–	?	–	•	–
141-43-5	–	ETHANOLAMINE	–	–	–	•	–	–	–
98-86-2	–	ETHANONE, 1-PHENYL-	5000	–	–	–	–	•	–
75-36-5	–	ETHANOYL CHLORIDE	5000	–	–	–	–	•	–
4549-40-0	–	ETHENAMINE, N-METHYL-N-NITROSO-	10	–	–	?	?	•	–
127-18-4	–	ETHENE, 1,1,2,2-TETRACHLORO-	100	–	–	?	?	•	–
75-35-4	–	ETHENE, 1,1-DICHLORO-	100	–	–	?	?	•	–
110-75-8	–	ETHENE, 2-CHLOROETHOXY-	1000	–	–	–	–	•	–
75-01-4	–	ETHENE, CHLORO-	1	–	–	?	?	•	–
156-60-5	–	ETHENE, TRANS-1,2,DICHLORO-	1000	–	–	–	–	•	–
79-01-6	–	ETHENE, TRICHLORO	100	–	–	?	?	•	–
4549-40-0	–	ETHENYLAMINE, N-METHYL-N-NITROSO-	–	–	–	•	?	?	–
57-63-6	–	ETHINYLOESTRADIOL	–	–	–	•	–	–	–
563-12-2	–	ETHION	10	1000	•	•	–	•	–
13194-48-4	–	ETHOPROPHOS	1	1000	•	–	–	–	e
110-80-5	2-	ETHOXYETHANOL	1000	–	–	•	•	•	–
111-15-9	2-	ETHOXYETHYL ACETATE	–	–	–	•	–	–	–
141-78-6	–	ETHYL ACETATE	5000	–	–	•	–	•	–
140-88-5	–	ETHYL ACRYLATE	1000	–	–	•	•	•	–
64-17-5	–	ETHYL ALCOHOL	–	–	–	•	–	–	–
541-85-5	–	ETHYL AMYL KETONE	–	–	–	•	–	–	–
100-41-4	–	ETHYL BENZENE	–	–	–	•	•	?	–
74-96-4	–	ETHYL BROMIDE	–	–	–	•	–	–	–
106-35-4	–	ETHYL BUTYL KETONE	–	–	–	•	–	–	–
51-79-6	–	ETHYL CARBAMATE	–	–	–	•	?	?	–
51-79-6	–	ETHYL CARBAMATE (URETHANE)	100	–	–	?	?	•	–
75-00-3	–	ETHYL CHLORIDE	–	–	–	•	?	?	–
541-41-3	–	ETHYL CHLOROFORMATE	–	–	–	–	•	–	–
107-12-0	–	ETHYL CYANIDE	10	–	?	–	–	•	–
60-29-7	–	ETHYL ETHER	100	–	–	•	–	•	–
109-94-4	–	ETHYL FORMATE	–	–	–	•	–	–	–
75-08-1	–	ETHYL MERCAPTAN	–	–	–	•	–	–	–
97-63-2	–	ETHYL METHACRYLATE	1000	–	–	–	–	•	–
62-50-0	–	ETHYL METHANESULFONATE	1	–	–	•	–	•	–
78-10-4	–	ETHYL SILICATE	–	–	–	•	–	–	–
75-04-7	–	ETHYLAMINE	–	–	–	•	–	?	–
100-41-4	–	ETHYLBENZENE	1000	–	–	•	?	•	–
538-07-8	–	ETHYLBIS(2-CHLOROETHYL)AMINE	1	500	•	–	–	–	e,h
74-85-1	–	ETHYLENE	–	–	–	•	•	–	–
107-07-3	–	ETHYLENE CHLOROHYDRIN	–	–	?	•	–	–	–
106-93-4	–	ETHYLENE DIBROMIDE	1	–	–	•	?	•	–
107-06-2	–	ETHYLENE DICHLORIDE	100	–	–	•	?	•	–
371-62-0	–	ETHYLENE FLUOROHYDRIN	1	10	•	–	–	–	e,h
107-21-1	–	ETHYLENE GLYCOL	–	–	–	•	•	–	–
628-96-6	–	ETHYLENE GLYCOL DINITRATE	–	–	–	•	–	–	–
–	–	ETHYLENE GLYCOL DINITRATE AND NITROGLYCERIN	–	–	–	•	–	–	–
110-80-5	–	ETHYLENE GLYCOL MONOETHYL ETHER	1000	–	–	?	?	•	–
110-49-6	–	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	–	–	–	•	–	–	–
107-21-1	–	ETHYLENE GLYCOL, VAPOR	–	–	–	•	?	–	–
75-21-8	–	ETHYLENE OXIDE	10	1000	•	•	•	•	d,l
96-45-7	–	ETHYLENE THIOUREA	–	–	–	•	•	?	–
111-54-6	–	ETHYLENEBIS(DITHIOCARBAMIC ACID)	5000	–	–	–	–	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
107-15-3	–	ETHYLENEDIAMINE	5000	10000	•	•	–	•	–
60-00-4	–	ETHYLENEDIAMINE TETRAACETIC ACID (EDTA)	5000	–	–	–	–	•	–
151-56-4	–	ETHYLENEIMINE	1	500	•	•	?	?	d
151-56-4	–	ETHYLENEIMINE (AZIRIDINE)	–	–	?	?	•	?	–
96-45-7	–	ETHYLENETHIOUREA	10	–	–	?	?	•	–
151-56-4	–	ETHYLENIMINE	1	–	?	?	?	•	–
75-34-3	–	ETHYLIDENE DICHLORIDE	1000	–	–	?	–	•	–
16219-75-3	–	ETHYLIDENENORBORNENE	–	–	–	•	–	–	–
100-74-3	N-	ETHYLMORPHOLINE	–	–	–	•	–	–	–
542-90-5	–	ETHYLTHIOCYANATE	1	10000	•	–	–	–	e
52-85-7	–	FAMPHUR	1000	–	–	–	–	•	–
22224-92-6	–	FENAMIPHOS	1	10/10000	•	•	–	–	e
122-14-5	–	FENITROTHION	1	500	•	–	–	–	e
115-90-2	–	FENSULFOTHION	1	500	•	•	–	–	e,h
55-38-9	–	FENTHION	–	–	–	•	–	–	–
14484-64-1	–	FERBAM	–	–	–	•	–	–	–
1185-57-5	–	FERRIC AMMONIUM CITRATE	1000	–	–	–	–	•	–
2944-67-4	–	FERRIC AMMONIUM OXALATE	1000	–	–	–	–	•	–
55488-87-4	–	FERRIC AMMONIUM OXALATE	1000	–	–	–	–	•	–
7705-08-0	–	FERRIC CHLORIDE	1000	–	–	–	–	•	–
9004-66-4	–	FERRIC DEXTRAN	5000	–	–	•	–	–	–
7783-50-8	–	FERRIC FLUORIDE	100	–	–	–	–	•	–
10421-48-4	–	FERRIC NITRATE	1000	–	–	–	–	•	–
10028-22-5	–	FERRIC SULFATE	1000	–	–	–	–	•	–
10045-89-3	–	FERROUS AMMONIUM SULFATE	1000	–	–	–	–	•	–
7758-94-3	–	FERROUS CHLORIDE	100	–	–	–	–	•	–
7720-78-7	–	FERROUS SULFATE	1000	–	–	–	–	•	–
[illegible]92-63-0	–	FERROUS SULFATE	1000	–	–	–	–	•	–
[illegible]04-58-9	–	FERROVANADIUM	–	–	–	•	–	–	–
[illegible]804-58-9	–	FERROVANADIUM DUST	–	–	–	•	–	–	–
[illegible]301-50-2	–	FLUENETIL	1	100/10000	•	–	–	–	e
2164-17-2	–	FLUOMETURON [UREA, N,N-DIMETHYL-N'-[3-(TRIFLUOROMETHYL)PHENYL]-]	–	–	–	–	•	–	–
206-44-0	–	FLUORANTHENE	100	–	–	–	–	•	–
86-73-7	–	FLUORENE	5000	–	–	–	–	•	z
16984-48-8	–	FLUORIDE(S)	–	–	–	•	–	–	–
16984-48-8	–	FLUORIDE, AS DUST	–	–	–	•	–	–	–
7782-41-4	–	FLUORINE	10	500	•	•	–	•	k
640-19-7	–	FLUOROACETAMIDE	100	100/10000	•	–	–	•	j
144-49-0	–	FLUOROACETIC ACID	1	10/10000	•	–	–	–	e
62-74-8	–	FLUOROACETIC ACID, SODIUM SALT	10	–	?	?	–	•	–
359-06-8	–	FLUOROACETYL CHLORIDE	1	10	•	–	–	–	c,e
51-21-8	–	FLUOROURACIL	1	500/10000	•	–	–	–	e
944-22-9	–	FONOFOS	1	500	•	•	–	–	e
50-00-0	–	FORMALDEHYDE	100	500	•	•	•	•	d,l
50-00-0	–	FORMALDEHYDE (GAS)	–	–	?	•	?	?	–
107-16-4	–	FORMALDEHYDE CYANOHYDRIN	1	1000	•	–	–	–	e,h
50-00-0	–	FORMALDEHYDE, ROSIN CORE SOLDER PYROLYSIS PRODUCTS AS	–	–	?	•	?	?	–
75-12-7	–	FORMAMIDE	–	–	–	•	–	–	–
23422-53-9	–	FORMETANATE HYDROCHLORIDE	1	500/10000	•	–	–	–	e,h
64-18-6	–	FORMIC ACID	5000	–	–	•	–	•	–
2540-82-1	–	FORMOTHION	1	100	•	–	–	–	e
17702-57-7	–	FORMPARANATE	1	100/10000	•	–	–	–	e
3570-75-0	2-(2-	FORMYLHYDRAZINO)-4-(5 NITRO-2-FURYL)THIAZOLE	–	–	–	•	–	–	–
21548-32-3	–	FOSTHIETAN	1	500	•	–	–	–	e
76-13-1	–	FREON 113 [ETHANE, 1,1,2-TRICHLORO-1,2,2-TRIFLUORO-]	–	–	–	•	•	–	–
3878-19-1	–	FUBERIDAZOLE	1	100/10000	•	–	–	–	e
628-86-4	–	FULMINIC ACID, MERCURY(II) SALT	10	–	–	–	–	•	–
110-17-8	–	FUMARIC ACID	5000	–	–	–	–	•	–
110-00-9	–	FURAN	100	500	•	–	–	•	–
109-99-9	–	FURAN, TETRAHYDRO-	1000	–	–	?	–	•	–
98-01-1	2-	FURANCARBOXALDEHYDE	5000	–	–	?	–	•	–
[illegible]08-31-6	2,5-	FURANDIONE	5000	–	–	?	?	•	–
[illegible]1-1	–	FURFURAL	5000	–	–	•	–	•	–
[illegible]00-0	–	FURFURAL ALCOHOL	–	–	–	•	–	–	–
[illegible]0-00-9	–	FURFURAN	100	–	?	–	–	•	–
13450-90-3	–	GALLIUM TRICHLORIDE	1	500/10000	•	–	–	–	e
8006-61-9	–	GASOLINE	–	–	–	•	–	–	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
7782-65-2	-	GERMANIUM TETRAHYDRIDE	-	-	-	•	-	-	-
14808-60-7	-	GLASS, FIBROUS DUST	-	-	-	•	-	-	-
18883-66-4	D-	GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO) CARBONYL]AMINO]-	1	-	-	?	-	•	-
111-30-8	-	GLUTARALDEHYDE	-	-	-	•	-	-	-
56-81-5	-	GLYCERIN MIST	-	-	-	•	-	-	-
556-52-5	-	GLYCIDOL	-	-	-	•	-	-	-
765-34-4	-	GLYCIDYLALDEHYDE	10	-	-	•	-	•	-
-	-	GLYCOL ETHERS (SEE REGULATION FOR DEFINITION)	-	-	-	-	•	-	-
-	-	GRAIN DUST (OAT, WHEAT, BARLEY)	-	-	-	•	-	-	-
7782-42-5	-	GRAPHITE (NATURAL)	-	-	-	•	-	-	-
7782-42-5	-	GRAPHITE (SYNTHETIC)	-	-	-	•	-	-	-
70-25-7	-	GUANIDINE, N-NITROSO-N-METHYL-N'-NITRO-	10	-	-	?	-	•	-
86-50-0	-	GUTHION	1	-	?	?	-	•	-
10101-41-4	-	GYPSUM	-	-	-	•	-	-	-
16568-02-8	-	GYROMITRIN	-	-	-	•	-	-	-
7440-58-6	-	HAFNIUM	-	-	-	•	-	-	-
-	-	HALOETHERS	-	-	-	-	-	•	-
-	-	HALOMETHANES	-	-	-	-	-	•	-
151-67-7	-	HALOTHANE	-	-	-	•	-	-	-
7440-59-7	-	HELIUM	-	-	-	•	-	-	-
1317-60-8	-	HEMATITE UNDERGROUND MINING	-	-	-	•	-	-	-
1317-60-8	-	HEMATITE UNDERGROUND MINING, WITH EXPOSURE TO RADON	-	-	-	•	-	-	-
76-44-8	-	HEPTACHLOR	1	-	-	•	?	•	-
-	-	HEPTACHLOR AND METABOLITES	-	-	-	-	-	•	-
1024-57-3	-	HEPTACHLOR EPOXIDE	1	-	-	-	-	•	-
76-44-8	-	HEPTACHLOR (1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-4,7-METHANO	1	-	-	•	•	•	-
142-82-5	-	HEPTANE (N-HEPTANE)	-	-	-	•	-	-	-
87-68-3	-	HEXACHLORO-1,3-BUTADIENE	-	-	-	?	•	?	-
118-74-1	-	HEXACHLOROBENZENE	10	-	-	•	•	•	-
87-68-3	-	HEXACHLOROBUTADIENE	1	-	-	•	?	•	-
608-73-1	-	HEXACHLOROCYCLOHEXANE (ALL ISOMERS)	-	-	-	?	-	•	-
58-89-9	-	HEXACHLOROCYCLOHEXANE (GAMMA ISOMER)	1	-	?	?	?	•	-
77-47-4	-	HEXACHLOROCYCLOPENTADIENE	10	100	•	•	•	•	d,h
67-72-1	-	HEXACHLOROETHANE	100	-	-	•	•	•	-
465-73-6	-	HEXACHLOROHEXAHYDRO-ENDO,ENDO-DIMETHANONAPHTHALENE	1	-	?	-	-	•	-
1335-87-1	-	HEXACHLORONAPHTHALENE	-	-	-	•	•	-	-
70-30-4	-	HEXACHLOROPHENE	100	-	-	-	-	•	-
1888-71-7	-	HEXACHLOROPROPENE	1000	-	-	-	-	•	-
757-58-4	-	HEXAETHYL TETRAPHOSPHATE	100	-	-	-	-	•	-
684-16-2	-	HEXAFLUORACETONE	-	-	-	•	-	-	-
822-06-0	-	HEXAMETHYLENEDIAMINE DIISOCYANATE	-	-	-	•	-	-	-
4835-11-4	-	HEXAMETHYLENEDIAMINE, N,N'-DIBUTYL-	1	500	•	-	-	-	e
680-31-9	-	HEXAMETHYLPHOSPHORAMIDE	-	-	-	•	•	-	-
-	-	HEXANE (ISOMERS OTHER THAN N-HEXANE)	-	-	-	•	-	-	-
110-54-3	-	HEXANE (N-HEXANE)	-	-	-	•	-	-	-
108-84-9	SEC-	HEXYL ACETATE	-	-	-	•	-	-	-
107-41-5	-	HEXYLENE GLYCOL	-	-	-	•	-	-	-
302-01-2	-	HYDRAZINE	1	1000	•	•	•	•	d
10034-93-2	-	HYDRAZINE SULFATE	-	-	-	?	•	-	-
57-14-7	-	HYDRAZINE, 1,1-DIMETHYL	10	-	?	?	?	•	-
1615-80-1	-	HYDRAZINE, 1,2-DIETHYL	10	-	-	?	-	•	-
540-73-8	-	HYDRAZINE, 1,2-DIMETHYL	1	-	-	?	-	•	-
122-66-7	-	HYDRAZINE, 1,2-DIPHENYL	10	-	-	?	?	•	-
60-34-4	-	HYDRAZINE, METHYL	10	-	?	?	?	•	-
10034-93-2	-	HYDRAZINE, SULFATE (1:1)	-	-	-	•	?	-	-

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
79-19-6	-	HYDRAZINECARBOTHIOAMIDE	100	-	?	-	-	•	-
7647-01-0	-	HYDROCHLORIC ACID	5000	-	?	?	•	•	-
74-90-8	-	HYDROCYANIC ACID	10	100	•	?	?	•	-
7664-39-3	-	HYDROFLUORIC ACID	100	-	?	?	?	•	-
1333-74-0	-	HYDROGEN	-	-	-	•	-	-	-
10035-10-6	-	HYDROGEN BROMIDE	-	-	-	•	-	-	-
7647-01-0	-	HYDROGEN CHLORIDE	5000	500	•	•	?	?	elm
74-90-8	-	HYDROGEN CYANIDE	10	-	?	•	•	•	-
7664-39-3	-	HYDROGEN FLUORIDE	100	100	•	•	•	•	-
7722-84-1	-	HYDROGEN PEROXIDE	1	1000	•	•	-	-	ej
7803-51-2	-	HYDROGEN PHOSPHIDE	100	-	?	?	-	•	-
7783-07-5	-	HYDROGEN SELENIDE	1	10	•	•	-	-	e
7783-06-4	-	HYDROGEN SULFIDE	100	500	•	?	-	•	l
7783-06-4	-	HYDROGEN SULFIDE/H2S/	-	-	?	•	-	?	-
80-15-9	-	HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL-	10	-	-	-	?	•	-
123-31-9	-	HYDROQUINONE	1	500/10000	•	•	•	-	l
7783-06-4	-	HYDROSULFURIC ACID	100	-	?	?	-	•	-
75-60-5	-	HYDROXYDIMETHYLARSINE OXIDE	1	-	-	-	-	•	-
999-61-1	2-	HYDROXYPROPYL ACRYLATE	-	-	-	•	-	-	-
96-45-7	2-	IMIDAZOLIDINETHIONE	10	-	-	?	?	•	-
95-13-6	-	INDENE	-	-	-	•	-	-	-
193-39-5	-	INDENO(1,2,3-CD)PYRENE	100	-	-	•	-	•	-
7440-74-6	-	INDIUM AND COMPOUNDS	-	-	-	•	-	-	-
-	-	INDUSTRIES - BOOT AND SHOE MANUFACTURE & REPAIR (CERTAIN OCCUPATIONS)	-	-	-	•	-	-	-
-	-	INDUSTRIES - FURNITURE MANUFACTURE	-	-	-	•	-	-	-
-	-	INDUSTRIES - RUBBER (CERTAIN OCCUPATIONS)	-	-	-	•	-	-	-
1-56-2	-	IODINE	-	-	-	•	-	-	-
-47-8	-	IODOFORM	-	-	-	•	-	-	-
004-66-4	-	IRON DEXTRAN	5000	-	-	•	-	-	-
1309-37-1	-	IRON OXIDE FUME (FE203)	-	-	-	•	-	-	-
-	-	IRON SALTS, SOLUBLE	-	-	-	•	-	-	-
13463-40-6	-	IRON, PENTACARBONYL-	1	100	•	•	-	-	e
123-92-2	-	ISOAMYL ACETATE	-	-	-	•	-	?	-
123-51-3	-	ISOAMYL ALCOHOL	-	-	-	•	-	-	-
297-78-9	-	ISOBENZAN	1	100/10000	•	-	-	-	e
632-79-1	1,3-	ISOBENZOFURANDIONE, 4,5,6,7-TETRABROMO-	-	-	-	•	-	-	-
110-19-0	-	ISOBUTYL ACETATE	-	-	-	•	-	?	-
78-83-1	-	ISOBUTYL ALCOHOL	5000	-	-	•	-	•	-
78-84-2	-	ISOBUTYRALDEHYDE	-	-	-	-	•	-	-
78-82-0	-	ISOBUTYRONITRILE	1	1000	•	-	-	-	e,h
102-36-3	-	ISOCYANIC ACID, 3,4-DICHLOROPHENYL ESTER	1	500/10000	•	-	-	-	e
624-83-9	-	ISOCYANIC ACID, METHYL ESTER	1	-	?	?	?	•	-
465-73-6	-	ISODRIN	1	100/10000	•	-	-	•	-
55-91-4	-	ISOFLUORPHATE	100	100	•	-	-	?	c
26952-21-6	-	ISOOCTYL ALCOHOL	-	-	-	•	-	-	-
78-59-1	-	ISOPHORONE	5000	-	-	•	-	•	-
4098-71-9	-	ISOPHORONE DIISOCYANATE	1	100	•	•	-	-	hs
78-79-5	-	ISOPRENE	100	-	-	-	-	•	g
42504-46-1	-	ISOPROPANOLAMINE DODECYLBENZENESULFONATE	1000	-	-	-	-	•	-
109-59-1	-	ISOPROPOXYETHANOL	-	-	-	•	-	-	-
108-21-4	-	ISOPROPYL ACETATE	-	-	-	•	-	-	-
67-63-0	-	ISOPROPYL ALCOHOL	-	-	-	•	?	-	-
67-63-0	-	ISOPROPYL ALCOHOL MANUFACTURE (STRONG ACID PROCESS)	-	-	-	•	?	-	-
67-63-0	-	ISOPROPYL ALCOHOL MANUFACTURE (STRONG ACID PROCESS) (SEE REGULATION)	-	-	-	•	•	-	-
108-23-6	-	ISOPROPYL CHLOROFORMATE	1	1000	•	-	-	-	e
108-20-3	-	ISOPROPYL ETHER	-	-	-	•	-	-	-

CAS or Other LD. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
4016-14-2	-	ISOPROPYL GLYCIDYL ETHER (IGE)	-	-	-	•	-	-	-
75-31-0	-	ISOPROPYLAMINE	-	-	-	•	-	-	-
768-52-5	N-	ISOPROPYLANILINE	-	-	-	•	-	-	-
80-05-7	4,4-	ISOPROPYLIDENEDIPHENOL	-	-	-	-	•	-	-
119-38-0	-	ISOPROPYLMETHYLPYRAZOLYL DIMETHYLCARBAMATE	1	500	•	-	-	-	e
120-58-1	-	ISOSAFROLE	100	-	-	•	•	•	-
2763-96-4	3(2H)-	ISOXAZOLONE, 5-(AMINOMETHYL)-	1000	-	?	-	-	•	-
1332-58-7	-	KAOLIN	-	-	-	•	-	-	-
143-50-0	-	KEPONE	1	-	-	•	-	•	-
463-51-4	-	KETENE	-	-	-	•	-	-	-
78-97-7	-	LACTONITRILE	1	1000	•	-	-	-	e
303-34-4	-	LASIOCARPINE	10	-	-	•	-	-	-
7439-92-1	-	LEAD	1	-	-	•	•	•	-
301-04-2	-	LEAD ACETATE	5000	-	-	•	-	•	-
7645-25-2	-	LEAD ARSENATE	1	-	-	-	-	•	-
7784-40-9	-	LEAD ARSENATE	1	-	-	-	-	•	-
10102-48-4	-	LEAD ARSENATE	1	-	-	?	-	•	-
10102-48-4	-	LEAD ARSENATE AS PB3(ASO4)2	-	-	-	•	-	?	-
1335-32-6	-	LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-	100	-	-	?	-	•	-
7758-95-4	-	LEAD CHLORIDE	100	-	-	-	-	•	-
7758-97-6	-	LEAD CHROMATE	-	-	-	•	-	-	-
18454-12-1	-	LEAD CHROMATE (VI) OXIDE	-	-	-	•	-	-	-
-	-	LEAD COMPOUNDS (SEE REGULATION FOR DEFINITION)	-	-	-	-	•	•	-
13814-96-5	-	LEAD FLUOBORATE	100	-	-	-	-	•	-
7783-46-2	-	LEAD FLUORIDE	100	-	-	-	-	•	-
10101-63-0	-	LEAD IODIDE	100	-	-	-	-	•	-
10099-74-8	-	LEAD NITRATE	100	-	-	-	-	•	-
7446-27-7	-	LEAD PHOSPHATE	1	-	-	•	-	•	-
1072-35-1	-	LEAD STEARATE	5000	-	-	-	-	•	-
7428-48-0	-	LEAD STEARATE	5000	-	-	-	-	•	-
52652-59-2	-	LEAD STEARATE	5000	-	-	-	-	•	-
56189-09-4	-	LEAD STEARATE	5000	-	-	-	-	•	-
1335-32-6	-	LEAD SUBACETATE	100	-	-	•	-	•	-
7446-14-2	-	LEAD SULFATE	100	-	-	-	-	•	-
15739-80-7	-	LEAD SULFATE	100	-	-	-	-	•	-
1314-87-0	-	LEAD SULFIDE	5000	-	-	-	-	•	-
592-87-0	-	LEAD THIOCYANATE	100	-	-	-	-	•	-
7439-92-1	-	LEAD, INORGANIC COMPOUNDS	-	-	-	•	?	?	-
7439-92-1	-	LEAD, INORGANIC, FUME AND DUST	-	-	-	•	?	?	-
7439-92-1	-	LEAD, ORGANIC SOAPS	-	-	-	•	?	?	-
21609-90-5	-	LEPTOPHOS	1	500/10000	•	-	-	-	e
541-25-3	-	LEWISITE	1	10	•	-	-	-	ceh
1357-65-3	-	LIMESTONE	-	-	-	•	-	-	-
58-89-9	-	LINDANE	1	1000/10000	•	•	?	•	d
58-89-9	GAMMA-	LINDANE	-	-	?	•	?	?	-
319-84-6	ALPHA-	LINDANE	-	-	-	•	-	?	-
319-85-7	BETA-	LINDANE	-	-	-	•	-	?	-
608-73-1	-	LINDANE - MIXED ISOMERS	-	-	-	•	-	?	-
58-89-9	-	LINDANE AND OTHER HEXACHLOROCYCLOHEXANE ISOMERS	-	-	?	•	?	?	-
58-89-9	-	LINDANE [CYCLOHEXANE,1,2,3,4,5,6-HEXACHLORO-,(1.ALPHA.,2.ALPHA.,3.BETA	1	1000/10000	•	•	•	•	d
68476-85-7	-	LIQUEFIED PETROLEUM GAS (L.P.G.)	-	-	-	•	-	-	-
14307-35-8	-	LITHIUM CHROMATE	10	-	-	-	-	•	-
7580-67-8	-	LITHIUM HYDRIDE	1	100	•	•	-	-	be
632-99-5	-	MAGENTA, MANUFACTURE OF	-	-	-	•	-	-	-
546-93-0	-	MAGNESITE	-	-	-	•	-	-	-
1309-48-4	-	MAGNESIUM OXIDE FUME	-	-	-	•	-	-	-
121-75-5	-	MALATHION	100	-	-	•	-	•	-
110-16-7	-	MALEIC ACID	5000	-	-	-	-	•	-
108-31-6	-	MALEIC ANHYDRIDE	5000	-	-	•	•	•	-
123-33-1	-	MALEIC HYDRAZIDE	5000	-	-	-	-	•	-
109-77-3	-	MALONONITRILE	1000	500/10000	•	-	-	•	-
12427-38-2	-	MANEB [CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, MANGANESE COMPLEX]	-	-	-	-	•	-	-
7439-96-5	-	MANGANESE	-	-	-	•	•	-	-

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
–	–	MANGANESE COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	–	–
12079-65-1	–	MANGANESE CYCLOPENTADIENYL TRICARBONYL	–	–	–	•	–	–	–
7439-96-5	–	MANGANESE DUST AND COMPOUNDS	–	–	–	•	?	–	–
7439-96-5	–	MANGANESE FUME	–	–	–	•	?	–	–
1317-35-7	–	MANGANESE TETROXIDE	–	–	–	•	–	–	–
12108-13-3	–	MANGANESE, TRICARBONYL METHYLCYCLOPENTADIENYL	1	100	•	?	–	–	e,h
1317-65-3	–	MARBLE/CALCIUM CARBONATE	–	–	–	•	–	–	–
51-75-2	–	MECHLORETHAMINE	1	10	•	?	?	–	c,e
148-82-3	–	MELPHALAN	1	–	–	•	–	•	–
950-10-7	–	MEPHOSFOLAN	1	500	•	–	–	–	e
2032-65-7	–	MERCAPTODIMETHUR	10	–	?	–	–	•	–
1600-27-7	–	MERCURIC ACETATE	1	500/10000	•	–	–	–	e
7487-94-7	–	MERCURIC CHLORIDE	1	500/10000	•	–	–	–	e
592-04-1	–	MERCURIC CYANIDE	1	–	–	–	–	•	–
10045-94-0	–	MERCURIC NITRATE	10	–	–	–	–	•	–
21908-53-2	–	MERCURIC OXIDE	1	500/10000	•	–	–	–	e
7783-35-9	–	MERCURIC SULFATE	10	–	–	–	–	•	–
592-85-8	–	MERCURIC THIOCYANATE	10	–	–	–	–	•	–
7782-86-7	–	MERCUROUS NITRATE	10	–	–	–	–	•	–
10415-75-5	–	MERCUROUS NITRATE	10	–	–	–	–	•	–
7439-97-6	–	MERCURY	1	–	–	•	•	•	–
–	–	MERCURY COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
628-86-4	–	MERCURY FULMINATE	10	–	–	–	–	•	–
62-38-4	–	MERCURY, (ACETATO-O)PHENYL-	100	–	?	–	–	•	–
7439-97-6	–	MERCURY, ALKYL COMPOUNDS	–	–	–	•	?	?	–
7439-97-6	–	MERCURY, ALL FORMS EXCEPT ALKYL VAPOR	–	–	–	•	?	?	–
[illegible]97-6	–	MERCURY, ARYL AND INORGANIC COMPOUNDS	–	–	–	•	?	?	–
[illegible]1-76-0	–	MERPHALAN	–	–	–	•	–	–	–
141-79-7	–	MESITYL OXIDE	–	–	–	•	–	–	–
72-33-3	–	MESTRANOL	–	–	–	•	–	–	–
10476-95-6	–	METHACROLEIN DIACETATE	1	1000	•	–	–	–	e
79-41-4	–	METHACRYLIC ACID	–	–	–	•	–	–	–
760-93-0	–	METHACRYLIC ANHYDRIDE	1	500	•	–	–	–	e
126-98-7	–	METHACRYLONITRILE	1000	500	•	?	–	•	h
920-46-7	–	METHACRYLOYL CHLORIDE	1	100	•	–	–	–	e
30674-80-7	–	METHACRYLOYLOXYETHYL ISOCYANATE	1	100	•	–	–	–	e,h
10265-92-6	–	METHAMIDOPHOS	1	100/10000	•	–	–	–	e
124-40-3	–	METHANAMINE, N-METHYL-	1000	–	–	?	–	•	–
62-75-9	–	METHANAMINE, N-METHYL-N-NITROSO	10	–	?	?	?	•	–
74-82-8	–	METHANE	–	–	–	•	–	–	–
74-83-9	–	METHANE, BROMO-	1000	–	?	?	?	•	–
74-87-3	–	METHANE, CHLORO-	100	–	–	?	?	•	–
107-30-2	–	METHANE, CHLOROMETHOXY-	10	–	?	?	?	•	–
74-95-3	–	METHANE, DIBROMO-	1000	–	–	–	?	•	–
75-09-2	–	METHANE, DICHLORO-	1000	–	–	?	?	•	–
75-71-8	–	METHANE, DICHLORODIFLUORO-	5000	–	–	?	–	•	–
74-88-4	–	METHANE, IODO-	100	–	–	?	?	•	–
624-83-9	–	METHANE, ISOCYANATO-	1	–	?	?	?	•	–
542-88-1	–	METHANE, OXYBIS(CHLORO-	10	–	?	?	?	•	–
56-23-5	–	METHANE, TETRACHLORO-	10	–	–	?	?	•	–
509-14-8	–	METHANE, TETRANITRO-	10	–	?	?	–	•	–
75-25-2	–	METHANE, TRIBROMO-	100	–	–	?	?	•	–
67-66-3	–	METHANE, TRICHLORO-	10	–	?	?	?	•	–
75-69-4	–	METHANE, TRICHLOROFLUORO-	5000	–	–	?	–	•	–
594-42-3	–	METHANESULFENYL CHLORIDE, TRICHLORO-	100	–	?	?	–	•	–
62-50-0	–	METHANESULFONIC ACID, ETHYL ESTER	1	–	–	?	–	•	–
558-25-8	–	METHANESULFONYL FLUORIDE	1	1000	•	–	–	–	e
74-93-1	–	METHANETHIOL	100	–	?	?	–	•	–
76-44-8	4,7-	METHANO-1H-INDENE,1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-	1	–	–	?	?	•	–
64-18-6	–	METHANOIC ACID	5000	–	–	?	–	•	–
57-74-9	4,7-	METHANOINDAN, 1,2,4,5,6,7,8,8-OCTACHLORO-3A,4,7,7A-TETRAHYDRO-	1	–	?	?	?	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
67-56-1	–	METHANOL	5000	–	–	?	•	•	–
91-80-5	–	METHAPYRILENE	5000	–	–	–	–	•	–
143-50-0	1,3,4-	METHENO-2H-CYCLOBUTA[CD]PENALEN-2-ONE-1,1A,3,3A,4,5,5A,5B,6-DECACHLOROOCTAHYDRO-	1	–	–	?	–	•	–
950-37-8	–	METHIDATHION	1	500/10000	•	–	–	–	e
2032-65-7	–	METHIOCARB	10	500/10000	•	–	–	?	–
16752-77-5	–	METHOMYL	100	500/10000	•	•	–	•	h
298-81-7	–	METHOXSALEN WITH ULTRAVIOLET A THERAPY (PUVA)	–	–	–	•	–	–	–
72-43-5	–	METHOXYCHLOR	1	–	–	•	?	•	–
72-43-5	–	METHOXYCHLOR (BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS [4-ME`HOXY-	1	–	–	•	•	•	–
109-86-4	2-	MET..OXYETHANOL	–	–	–	•	•	–	–
110-49-6	2-	METHOXYETHYL ACETATE	–	–	–	•	–	–	–
151-38-2	–	METHOXYETHYLMERCURIC ACETATE	1	500/10000	•	–	–	–	e
150-76-5	4-	METHOXYPHENOL	–	–	–	•	–	–	–
298-81-7	8-	METHOXYPSORALEN	–	–	–	•	–	–	–
–	–	METHRONIDAZOLE	–	–	–	•	–	–	–
80-63-7	–	METHYL 2-CHLOROACRYLATE	1	500	•	–	–	–	e
137-05-3	–	METHYL 2-CYANOACRYLATE	–	–	–	•	–	–	–
79-20-9	–	METHYL ACETATE	–	–	–	•	–	–	–
74-99-7	–	METHYL ACETYLENE	–	–	–	•	–	–	–
–	–	METHYL ACETYLENE--PROPADIENE MIXTURE (MAPP)	–	–	–	•	–	–	–
96-33-3	–	METHYL ACRYLATE	–	–	–	•	•	–	–
67-56-1	–	METHYL ALCOHOL	5000	–	–	•	?	•	–
100-61-8	N-	METHYL ANILINE (MONOMETHYL ANILINE)	–	–	–	•	–	–	–
74-83-9	–	METHYL BROMIDE	1000	1000	•	•	?	•	l
109-84-4	–	METHYL CELLOSOLVE	–	–	–	•	–	–	–
110-49-6	–	METHYL CELLOSOLVE ACETATE	–	–	–	•	–	–	–
74-87-3	–	METHYL CHLORIDE	100	–	–	•	?	•	–
79-22-1	–	METHYL CHLOROCARBONATE	1000	–	?	–	–	•	–
71-55-6	–	METHYL CHLOROFORM	1000	–	–	•	?	•	–
79-22-1	–	METHYL CHLOROFORMATE	1000	500	•	–	–	?	d,h
107-30-2	–	METHYL CHLOROMETHYL ETHER	–	–	?	•	?	?	–
8022-00-2	–	METHYL DEMETON	–	–	–	•	–	–	–
78-93-3	–	METHYL ETHYL KETONE	5000	–	–	•	•	•	–
1338-23-4	–	METHYL ETHYL KETONE PEROXIDE	10	–	–	•	–	•	–
107-31-3	–	METHYL FORMATE	–	–	–	•	–	–	–
60-34-4	–	METHYL HYDRAZINE	10	500	•	•	•	•	–
74-88-4	–	METHYL IODIDE	100	–	–	•	•	•	–
110-12-3	–	METHYL ISOAMYL KETONE	–	–	–	•	–	–	–
108-11-2	–	METHYL ISOBUTYL CARBINOL	–	–	–	•	–	–	–
108-10-1	–	METHYL ISOBUTYL KETONE	5000	–	–	•	•	•	–
624-83-9	–	METHYL ISOCYANATE	1	500	•	•	•	•	f
563-80-4	–	METHYL ISOPROPYL KETONE	–	–	–	•	–	–	–
556-61-6	–	METHYL ISOTHIOCYANATE	1	500	•	–	–	–	h,e
74-93-1	–	METHYL MERCAPTAN	100	500	•	•	–	?	–
80-62-6	–	METHYL METHACRYLATE	1000	–	–	•	•	•	–
66-27-3	–	METHYL METHANESULFONATE	–	–	–	•	–	–	–
110-43-0	–	METHYL N-AMYL KETONE	–	–	–	•	–	–	–
591-78-6	–	METHYL N-BUTYL KETONE	–	–	–	•	–	–	–
298-00-0	–	METHYL PARATHION	100	–	?	•	–	•	–
3735-23-7	–	METHYL PHENKAPTON	1	500	•	–	–	–	e
676-97-1	–	METHYL PHOSPHONIC DICHLORIDE	1	100	•	–	–	–	h,e
107-87-9	–	METHYL PROPYL KETONE	–	–	–	•	–	–	–
681-84-5	–	METHYL SILICATE	–	–	–	•	–	–	–
98-83-9	ALPHA-	METHYL STYRENE	–	–	–	•	–	–	–
1634-04-4	–	METHYL TERT-BUTYL ETHER	–	–	–	–	•	–	–
556-64-9	–	METHYL THIOCYANATE	1	10000	•	–	–	–	e
78-94-4	–	METHYL VINYL KETONE	1	10	•	–	–	–	e
129-15-7	2-	METHYL-1-NITROANTHRAQUINONE	–	–	–	•	–	–	–
108-10-1	4-	METHYL-2-PENTANONE	5000	–	–	?	?	•	–
70-25-7	N-	METHYL-N'-NITRO-N-NITROSOGUANIDINE	10	–	–	•	–	•	–
126-98-7	–	METHYLACRYLONITRILE	–	–	?	•	–	?	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
109-87-5	–	METHYLAL	–	–	–	•	–	–	–
74-89-5	–	METHYLAMINE	–	–	–	•	–	?	–
75-55-8	2-	METHYLAZIRIDINE	1	–	?	•	?	•	–
592-62-1	–	METHYLAZOXYMETHANOL ACETATE	–	–	–	•	–	–	–
504-60-9	1-	METHYLBUTADIENE	100	–	–	–	–	•	–
56-49-5	3-	METHYLCHOLANTHRENE	10	–	–	–	–	•	–
3697-24-3	5-	METHYLCRYSENE	–	–	–	•	–	–	–
108-87-2	–	METHYLCYCLOHEXANE	–	–	–	•	–	–	–
25639-42-3	–	METHYLCYCLOHEXANOL	–	–	–	•	–	–	–
583-60-8	O-	METHYLCYCLOHEXANONE	–	–	–	•	–	–	–
12108-13-3	–	METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL	–	–	?	•	–	–	–
101-14-4	4,4'-	METHYLENE BIS (2-CHLOROANILINE) (MBOCA)	10	–	–	•	•	•	–
101-14-4	4,4'-	METHYLENE BIS(2-CHLOROANILINE) (MOCA)	10	–	–	•	?	•	–
838-88-0	4,4'-	METHYLENE BIS(2-METHYLANILINE)	–	–	–	•	–	–	–
5124-30-1	–	METHYLENE BIS(4-CYCLOHEXYL ISOCYANATE)	–	–	–	•	–	–	–
101-61-1	4,4'-	METHYLENE BIS(N,N-DIMETHYL)BENZENEAMINE	–	–	–	•	•	–	–
101-68-8	–	METHYLENE BIS(PHENYLISOCYANATE)(MBI)	–	–	–	?	•	–	–
101-68-8	–	METHYLENE BISPHENYL ISOCYANATE	–	–	–	•	?	–	–
74-95-3	–	METHYLENE BROMIDE	1000	–	–	–	•	•	–
75-09-2	–	METHYLENE CHLORIDE	1000	–	–	•	?	•	–
101-77-9	4,4-	METHYLENE DIANILINE	–	–	–	?	•	–	–
101-14-4	4,4'-	METHYLENEBIS(2-CHLOROANILINE)	10	–	–	?	?	•	–
70-30-4	2,2'-	METHYLENEBIS(3,4,6-TRICHLOROPHENOL)	100	–	–	–	–	•	–
77-9	4,4'-	METHYLENEDIANILINE	–	–	–	•	?	–	–
2-44-8	4,4'-	METHYLENEDIANILINE CHLORIDE	–	–	–	•	–	–	–
86-5	2-	METHYLLACTONITRILE	10	–	?	–	–	•	–
4-93-1	–	METHYLMERCAPTAN	100	–	?	?	–	•	–
502-39-6	–	METHYLMERCURIC DICYANAMIDE	1	500/10000	•	–	–	–	e
56-04-2	–	METHYLTHIOURACIL	10	–	–	•	–	•	–
75-79-6	–	METHYLTRICHLOROSILANE	1	500	•	–	–	–	e,h
1129-41-5	–	METOLCARB	1	100/10000	•	–	–	–	e
–	–	METOXSALEN WITH ULTRAVIOLET A THERAPY (PUVA)	–	–	–	•	–	–	–
21087-64-9	–	METRIBUZIN	–	–	–	•	–	–	–
443-48-1	–	METRONIDAZOLE	–	–	–	•	–	–	–
7786-34-7	–	MEVINPHOS	10	500	•	•	–	•	–
315-18-4	–	MEXACARBATE	1000	500/10000	•	–	–	•	–
12001-26-2	–	MICA	–	–	–	•	–	–	–
90-94-8	–	MICHLER'S KETONE	–	–	–	•	•	–	–
8002-05-9	–	MINERAL OILS (CONTAINING VARIOUS ADDITIVES AND IMPURITIES) USED ...	–	–	–	•	–	–	–
8002-05-9	–	MINERAL OILS: ACID-TREATED OILS	–	–	–	•	–	–	–
8002-05-9	–	82	–	–	–	•	–	–	–
8002-05-9	–	MINERAL OILS: MILDLY HYDROTREATED OILS	–	–	–	•	–	–	–
8002-05-9	–	MINERAL OILS: MILDLY SOLVENT-REFINED OILS	–	–	–	•	–	–	–
8002-05-9	–	MINERAL OILS: UNTREATED VACUUM DISTILLATES	–	–	–	•	–	–	–
8002-05-9	–	MINERAL OILS: USED GASOLINE-ENGINE OIL	–	–	–	•	–	–	–
–	–	MINERAL WOOL FIBER	–	–	–	•	–	–	–
2385-85-5	–	MIREX	–	–	–	•	–	–	–
50-07-7	–	MITOMYCIN C	10	500/10000	•	•	–	•	d
70-25-7	–	MNNG	10	–	–	?	–	•	–
7439-98-7	–	MOLYBDENUM-INSOLUBLE COMPOUNDS	–	–	–	•	–	–	–
1313-27-5	–	MOLYBDENUM TRIOXIDE	–	–	–	–	•	–	–
7439-98-7	–	MOLYBDENUM-SOLUBLE COMPOUNDS	–	–	–	•	–	–	–
315-22-0	–	MONOCROTALINE	–	–	–	•	–	–	–
6923-22-4	–	MONOCROTOPHOS	1	10/10000	•	•	–	–	e
75-04-7	–	MONOETHYLAMINE	100	–	–	•	–	•	–
74-89-5	–	MONOMETHYLAMINE	100	–	–	?	–	•	–
1-8	–	MORPHOLINE	–	–	–	•	–	–	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
13146-28-6	5-(	MORPHOLINOMETHYL)-3-((5-NITROFURFURYLIDENE)...(D1-FORM HYDROCHLORIDE)	–	–	–	•	–	–	–
3795-88-8	5-(	MORPHOLINOMETHYL)-3-((5-NITROFURFURYLIDENE)AMINO)-2-OXAZO-...(1-FORM)	–	–	–	•	–	–	–
139-91-3	5-(	MORPHOLINOMETHYL)-3-((5-NITROFURFURYLIDENE)AMINO)-2-OXAZO-...(D1-FORM)	–	–	–	•	–	–	–
2763-96-4	–	MUSCIMOL	1000	10000	•	–	–	?	a,h
505-60-2	–	MUSTARD GAS	1	500	•	•	?	–	a,h
505-60-2	–	MUSTARD GAS [ETHANE,1,1'-THIOBIS [2-CHLORO-]	1	500	•	•	•	.	a,h
55-98-1	–	MYLERAN	–	–	–	•	–	–	–
3771-19-5	–	NAFENOPIN	–	–	–	•	–	–	–
300-76-5	–	NALED	10	–	–	•	–	•	–
8030-30-6	–	NAPHTHA (COAL TAR)	–	–	–	•	–	–	–
8030-30-6	–	NAPHTHA, VM & P	–	–	–	•	–	–	–
134-32-7	1-	NAPHTHALENAMINE	100	–	–	•	?	•	–
91-59-8	2-	NAPHTHALENAMINE	10	–	–	?	?	•	–
91-20-3	–	NAPHTHALENE	100	–	–	•	•	•	–
91-58-7	–	NAPHTHALENE, 2-CHLORO-	5000	–	–	–	–	•	–
130-15-4	1,4-	NAPHTHALENEDIONE	5000	–	–	–	–	•	–
72-57-1	2,7-	NAPHTHALENEDISULFONIC ACID, 3,3'- ... (SEE TRYPAN BLUE)	10	–	–	?	–	•	–
1338-24-5	–	NAPHTHENIC ACID	100	–	–	–	–	•	–
130-15-4	1,4-	NAPHTHOQUINONE	5000	–	–	–	–	•	–
91-59-8	2-	NAPHTHYLAMINE	–	–	–	•	?	?	–
91-59-8	BETA-	NAPHTHYLAMINE	1	–	–	•	•	•	–
134-32-7	ALPHA-	NAPHTHYLAMINE	100	–	–	•	•	•	–
494-03-1	2-	NAPHTHYLAMINE, N,N-BIS(2-CHLOROETHYL)-	100	–	–	•	–	•	–
86-88-4	ALPHA-	NAPHTHYLTHIOUREA	100	–	?	?	–	•	–
20830-81-3	5,12-	NAPTHACENEDIONE, ... (SEE DAUNOMYCIN)	10	–	–	?	–	•	–
7440-01-9	–	NEON	–	–	–	•	–	–	–
7440-02-0	–	NICKEL	100	–	–	•	•	•	tt
15699-18-0	–	NICKEL AMMONIUM SULFATE	100	–	–	–	–	•	–
–	–	NICKEL AND COMPOUNDS	–	–	–	–	?	•	–
13463-39-3	–	NICKEL CARBONYL	10	1	•	•	–	•	d
13463-39-3	–	NICKEL CARBONYL NI(CO)4,(T-4)-	10	–	?	?	–	•	–
7718-54-9	–	NICKEL CHLORIDE	100	–	–	–	–	•	–
37211-05-5	–	NICKEL CHLORIDE	100	–	–	–	–	•	–
7440-02-0	–	NICKEL COMPOUNDS	–	–	–	•	?	?	–
–	–	NICKEL COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
557-19-7	–	NICKEL CYANIDE	10	–	–	–	–	•	–
557-19-7	–	NICKEL CYANIDE NI(CN)2	10	–	–	–	–	•	–
12054-48-7	–	NICKEL HYDROXIDE	10	–	–	–	–	•	–
14216-75-2	–	NICKEL NITRATE	100	–	–	–	–	•	–
1313-99-1	–	NICKEL OXIDE	–	–	–	•	–	–	–
7440-02-0	–	NICKEL REFINING	–	–	–	•	?	?	–
7440-02-0	–	NICKEL SOLUBLE COMPOUNDS	–	–	–	•	?	?	–
12035-72-2	–	NICKEL SUBSULFIDE	–	–	–	•	–	–	–
7786-81-4	–	NICKEL SULFATE	100	–	–	–	–	•	–
16812-54-7	–	NICKEL SULFIDE ROASTING, FUME AND DUST, AS NI	–	–	–	•	–	–	–
7440-02-0	–	NICKEL, METAL	–	–	–	•	?	?	–
1271-28-9	–	NICKELOCENE	–	–	–	•	–	–	–
54-11-5	–	NICOTINE	100	100	•	•	–	?	c
54-11-5	–	NICOTINE AND SALTS	100	–	?	?	–	•	–
65-30-5	–	NICOTINE SULFATE	1	100/10000	•	–	–	–	e
61-57-4	–	NIRIDAZOLE	–	–	–	•	–	–	–
1929-82-4	–	NITRAPYRIN	–	–	–	•	–	–	–
7697-37-2	–	NITRIC ACID	1000	1000	•	•	•	•	–
10102-43-9	–	NITRIC OXIDE	10	100	•	•	–	•	c
139-13-9	–	NITRILOTRIACETIC ACID	–	–	–	•	•	–	–
531-82-8	N-(4-(5-	NITRO-2 FURYL)-2-THIAZOLYL)ACETAMIDE	–	–	–	•	–	–	–
99-59-2	5-	NITRO-O-ANISIDINE	–	–	–	•	•	–	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
99-55-8	5-	NITRO-O-TOLUIDINE	100	–	–	–	–	•	–
602-87-9	5-	NITROACENAPHTHENE	–	–	–	•	–	–	–
100-01-6	P-	NITROANILINE	5000	–	–	•	–	•	–
98-95-3	–	NITROBENZENE	1000	10000	•	•	•	•	1
92-93-3	4-	NITROBIPHENYL	–	–	–	•	•	–	–
100-00-5	P-	NITROCHLOROBENZENE	–	–	–	•	–	–	–
1122-60-7	–	NITROCYCLOHEXANE	1	500	•	–	–	–	•
92-93-3	4-	NITRODIPHENOL	–	–	–	•	?	–	–
79-24-3	–	NITROETHANE	–	–	–	•	–	–	–
1836-75-5	–	NITROFEN	–	–	–	•	?	–	–
1836-75-5	–	NITROFEN (TECHNICAL GRADE)	–	–	–	•	?	–	–
1836-75-5	–	NITROFEN [BENZENE, 2,4-DICHLORO-1-(4-NITROPHENOXY)-]	–	–	–	•	•	–	–
555-84-0	1-((5-	NITROFURFURYLIDENE)AMINO)-2-IMIDAZOLIDINONE	–	–	–	•	–	–	–
10102-44-0	–	NITROGEN DIOXIDE	10	100	•	•	–	•	–
10544-72-6	–	NITROGEN DIOXIDE	10	–	–	–	–	•	–
51-75-2	–	NITROGEN MUSTARD	–	–	?	•	?	–	–
126-85-2	–	NITROGEN MUSTARD N-OXIDE	–	–	–	•	–	–	–
51-75-2	–	NITROGEN MUSTARD [2-CHLORO-N-(2-CHLOROETHYL)-N-METHYLETHANAMINE]	–	–	?	•	•	–	–
7783-54-2	–	NITROGEN TRIFLUORIDE	–	–	–	•	–	–	–
10102-43-9	–	NITROGEN(II) OXIDE	10	–	?	?	–	•	–
10102-44-0	–	NITROGEN(IV) OXIDE	10	–	?	?	–	•	–
10544-72-6	–	NITROGEN(IV) OXIDE	10	–	–	–	–	•	–
55-63-0	–	NITROGLYCERINE	10	–	–	•	•	•	–
75-52-5	–	NITROMETHANE	–	–	–	•	–	–	–
88-75-5	2-	NITROPHENOL	100	–	–	–	•	•	–
100-02-7	4-	NITROPHENOL	100	–	–	–	•	•	–
5-5	O-	NITROPHENOL (MIXED)	100	–	–	–	?	•	–
02-7	P-	NITROPHENOL (MIXED)	100	–	–	–	?	•	–
4-84-7	M-	NITROPHENOL (MIXED)	100	–	–	–	–	•	–
25154-55-6	–	NITROPHENOL (MIXED)	100	–	–	–	–	•	–
–	–	NITROPHENOLS	–	–	–	–	?	•	–
79-46-9	2-	NITROPROPANE	10	–	–	•	•	•	–
108-03-2	1-	NITROPROPANE	–	–	–	•	–	–	–
–	–	NITROSAMINES	–	–	–	–	–	•	–
759-73-9	N-	NITROSO-N-ETHYLUREA	1	–	–	•	•	•	–
684-93-5	N-	NITROSO-N-METHYLUREA	1	–	–	•	•	•	–
615-53-2	N-	NITROSO-N-METHYLURETHANE	1	–	–	•	–	•	–
924-16-3	N-	NITROSODI-N-BUTYLAMINE	10	–	–	•	•	•	–
621-64-7	N-	NITROSODI-N-PROPYLAMINE	–	–	–	•	•	?	–
1116-54-7	N-	NITROSODIETHANOLAMINE	1	–	–	•	–	•	–
55-18-5	N-	NITROSODIETHYLAMINE	1	–	–	•	•	•	–
62-75-9	N-	NITROSODIMETHYLAMINE	10	–	?	•	•	•	–
62-75-9	–	NITROSODIMETHYLAMINE	1	1000	•	?	?	?	d,h
86-30-6	N-	NITROSODIPHENYLAMINE	100	–	–	–	•	•	–
156-10-5	P-	NITROSODIPHENYLAMINE	–	–	–	•	•	–	–
10595-95-6	N-	NITROSOMETHYLETHYLAMINE	–	–	–	•	–	–	–
4549-40-0	N-	NITROSOMETHYLVINYLAMINE	10	–	–	•	•	•	–
59-89-2	N-	NITROSOMORPHOLINE	–	–	–	•	•	–	–
16543-55-8	N-	NITROSONORNICOTINE	–	–	–	•	•	–	–
53759-22-1	N'-	NITROSONORNICOTINE	–	–	–	•	–	–	–
100-75-4	N-	NITROSOPIPERIDINE	10	–	–	•	•	•	–
930-55-2	N-	NITROSOPYRROLIDINE	1	–	–	•	–	•	–
13256-22-9	N-	NITROSOSARCOSINE	–	–	–	•	–	–	–
88-72-2	O-	NITROTOLUENE	1000	–	–	–	–	•	–
99-08-1	M-	NITROTOLUENE	1000	–	–	•	–	•	–
99-99-0	P-	NITROTOLUENE	1000	–	–	–	–	•	–
1321-12-6	–	NITROTOLUENE	1000	–	–	–	–	•	–
111-84-2	–	NONANE	–	–	–	•	–	–	–
991-42-4	–	NORBORMIDE	1	100/10000	•	–	–	–	•
115-29-7	5-	NORBORNENE-2,3-DIMETHANOL, 1,4,5,6,7,7-HEXACHLORO, CYCLIC SULFITE	1	–	?	?	–	•	–
68-22-4	–	NORETHISTERONE	–	–	–	•	–	–	–
–	–	NUISANCE PARTICULATES (DUST), RESPIRABLE FRACTION	–	–	–	•	–	–	–
–	–	NUISANCE PARTICULATES (DUST), TOTAL DUST	–	–	–	•	–	–	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
\2234-13-1	–	OCTACHLORONAPTHALENE	–	–	–	•	•	–	–
152-16-9	–	OCTAMETHYLPYROPHOSPHORAMIDE	100	–	?	–	–	•	–
111-65-9	–	OCTANE	–	–	–	•	–	–	–
–	–	OESTRADIOL - 17B	–	–	–	•	–	–	–
–	–	OESTROGENS, CONJUGATED	–	–	–	•	–	–	–
53-16-7	–	OESTRONE	–	–	–	•	–	–	–
8012-95-1	–	OIL MIST--MINERAL	–	–	–	•	–	–	–
–	–	OIL ORANGE SS	–	–	–	•	–	–	–
–	–	OIL SHALE SOOT--EXTRACTS	–	–	–	•	–	–	–
–	–	ORAL CONTRACEPTIVES, COMBINED	–	–	–	•	–	–	–
–	–	ORAL CONTRACEPTIVES, SEQUENTIAL	–	–	–	•	–	–	–
–	–	ORGANO (ALKYL) MERCURY	–	–	–	•	–	–	–
PMN82147	–	ORGANORHODIUM COMPLEX	1	10/10000	•	–	–	–	e
20816-12-0	–	OSMIUM OXIDE	1000	–	–	?	?	•	–
20816-12-0	–	OSMIUM TETROXIDE	1000	–	–	•	•	•	–
630-60-4	–	OUABAIN	1	100/10000	•	–	–	–	e,s
145-73-3	7-	OXABICYCLO(2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID	1000	–	–	–	–	•	–
144-62-7	–	OXALIC ACID	–	–	–	•	–	–	–
23135-22-0	–	OXAMYL	1	100/10000	•	–	–	–	e
1120-71-4	1,2-	OXATHIOLANE, 2,2-DIOXIDE	10	–	–	?	?	•	–
50-18-0	2H-1,3,2-	OXAZAPHOSPHORIN,2-AMINE,N,N-BIS(CHLOROETHYL) TETRAHYDRO-2-OXIDE	10	–	–	?	–	•	–
78-71-7	–	OXETANE, 3,3-BIS(CHLOROMETHYL)	1	500	•	–	–	–	e
75-21-8	–	OXIRANE	10	–	?	?	?	•	–
106-89-8	–	OXIRANE, (CHLOROMETHYL)-	100	–	?	?	?	•	–
2497-07-6	–	OXYDISULFOTON	1	500	•	–	–	–	e,h
7783-41-7	–	OXYGEN DIFLUORIDE	–	–	–	•	–	–	–
434-07-1	–	OXYMETHOLONE	–	–	–	•	–	–	–
10028-15-6	–	OZONE	1	100	•	•	–	–	e
794-93-4	–	PANFURAN S (DIHYDROXYMETHYLFURATRIZINE)	–	–	–	•	–	–	–
8002-74-2	–	PARAFFIN WAX FUME	–	–	–	•	–	–	–
30525-89-4	–	PARAFORMALDEHYDE	1000	–	–	–	–	•	–
123-63-7	–	PARALDEHYDE	1000	–	–	–	–	•	–
1910-42-5	–	PARAQUAT	1	10/10000	•	•	–	–	e
2074-50-2	–	PARAQUAT METHOSULFATE	1	10/10000	•	–	–	–	e
4685-14-7	–	PARAQUAT, RESPIRABLE SIZES	–	–	–	•	–	–	–
56-38-2	–	PARATHION	10	100	•	•	?	•	c,d
56-38-2	–	PARATHION [PHOSPHOROTHIOIC ACID, 0,0-DIETHYL 0-(4-NITROPHENYL) ESTER]	10	100	•	•	•	•	c,d
298-00-0	–	PARATHION-METHYL	100	100/10000	•	?	–	?	c
12002-03-8	–	PARIS GREEN	100	500/10000	•	?	–	?	d
19624-22-7	–	PENTABORANE	1	500	•	•	–	–	e
608-93-5	–	PENTACHLOROBENZENE	10	–	–	–	–	•	–
76-01-7	–	PENTACHLOROETHANE	10	–	–	–	–	•	d
1321-64-8	–	PENTACHLORONAPHTHALENE	–	–	–	•	–	–	–
82-68-8	–	PENTACHLORONITROBENZENE	100	–	–	–	?	•	–
87-86-5	–	PENTACHLOROPHENOL	10	–	–	•	?	•	d
87-86-5	–	PENTACHLOROPHENOL (PCP)	–	–	–	?	•	?	–
2570-26-5	–	PENTADECYLAMINE	1	100/10000	•	–	–	–	e
504-60-9	1,3-	PENTADIENE	100	–	–	–	–	•	–
115-77-5	–	PENTAERYTHRITOL	–	–	–	•	–	–	–
109-66-0	–	PENTANE	–	–	–	•	–	–	–
79-21-0	–	PERACETIC ACID	1	500	•	–	•	–	e
127-18-4	–	PERCHLOROETHYLENE	100	–	–	•	?	•	–
594-42-3	–	PERCHLOROMETHYLMERCAPTAN	100	500	•	•	–	?	–
7616-94-6	–	PERCHLORYL FLUORIDE	–	–	–	•	–	–	–
–	–	PERLITE	–	–	–	•	–	–	–
62-44-2	–	PHENACETIN	100	–	–	•	–	•	–
62-44-2	–	PHENACETIN, ANALGESIC MIXTURES CONTAINING	–	–	–	•	–	?	–
85-01-8	–	PHENANTHRENE	5000	–	–	•	–	•	–
94-78-0	–	PHENAZOPYRIDINE	–	–	–	•	–	–	–
136-40-3	–	PHENAZOPYRIDINE HYDROCHLORIDE	–	–	–	•	–	–	–
108-95-2	–	PHENOL	1000	500/10000	•	•	•	•	–
696-28-6	–	PHENOL DICHLOROARSINE	1	–	?	–	–	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
4418-66-0	-	PHENOL, 2,2'-THIOBIS(4-CHLORO-6-METHYL-	1	100/10000	•	-	-	-	e
58-90-2	-	PHENOL, 2,3,4,6-TETRACHLORO-	10	-	-	-	-	•	-
95-95-4	-	PHENOL, 2,4,5-TRICHLORO-	10	-	-	-	?	•	-
88-06-2	-	PHENOL, 2,4,6-TRICHLORO-	10	-	-	?	?	•	-
131-74-8	-	PHENOL, 2,4,6-TRINITRO-AMMONIUM SALT	10	-	-	-	-	•	-
120-83-2	-	PHENOL, 2,4-DICHLORO-	100	-	-	-	?	•	-
105-67-9	-	PHENOL, 2,4-DIMETHYL-	100	-	-	-	?	•	-
51-28-5	-	PHENOL, 2,4-DINITRO-	10	-	-	-	?	•	-
88-85-7	-	PHENOL, 2,4-DINITRO-6-(1-METHYLPROPYL)	1000	-	?	-	-	•	-
534-52-1	-	PHENOL, 2,4-DINITRO-6-METHYL-AND SALTS	10	-	?	?	?	•	-
87-65-0	-	PHENOL, 2,6-DICHLORO-	100	-	-	-	-	•	-
95-57-8	-	PHENOL, 2-CHLORO-	100	-	-	-	-	•	-
131-89-5	-	PHENOL, 2-CYCLOHEXYL-4,6-DINITRO	100	-	-	-	-	•	-
64-00-6	-	PHENOL, 3-(1-METHYLETHYL)-, METHYLCARBAMATE	1	500/10000	•	-	-	-	e
59-50-7	-	PHENOL, 4-CHLORO-3-METHYL-	5000	-	-	-	-	•	-
100-02-7	-	PHENOL, 4-NITRO	100	-	-	-	?	•	-
56-53-1	-	PHENOL,4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL) BIS,-(E)	1	-	-	?	-	•	-
87-86-5	-	PHENOL, PENTACHLORO-	10	-	-	?	?	•	-
92-84-2	-	PHENOTHIAZINE	-	-	-	•	-	-	-
58-36-6	-	PHENOXARSINE, 10, 10'-OXIDI	1	500/10000	•	-	-	-	e
-	-	PHENOXYACETIC ACID HERBICIDES (OCCUPATIONAL EXPOSURE TO)	-	-	-	•	-	-	-
59-96-1	-	PHENOXYBENZAMINE	-	-	-	•	-	-	-
?-3	-	PHENOXYBENZAMINE HYDROCHLORIDE	-	-	-	•	-	-	-
28-6	-	PHENYL DICHLOROARSINE	1	500	•	-	-	•	d,h
1-84-8	-	PHENYL ETHER (VAPOR)	-	-	-	•	-	-	-
-	-	PHENYL ETHER-BIPHENYL MIXTURE (VAPOR)	-	-	-	•	-	-	-
122-60-1	-	PHENYL GLYCIDYL ETHER (PGE)	-	-	-	•	-	-	-
108-98-5	-	PHENYL MERCAPTAN	-	-	?	•	-	?	-
135-88-6	N-	PHENYL-2-NAPHTHYLAMINE	-	-	-	•	-	-	-
148-82-3	-	PHENYLALANINE,4[BIS(2-CHLOROETHYL)AMINOL]	1	-	-	?	-	•	-
193-39-5	1,10-(1,2	PHENYLENE)PYRENE	100	-	-	?	-	•	-
106-50-3	P-	PHENYLENEDIAMINE	-	-	-	•	•	-	-
100-63-0	-	PHENYLHYDRAZINE	-	-	-	•	-	-	-
59-88-1	-	PHENYLHYDRAZINE HYDROCHLORIDE	1	1000/10000	•	-	-	-	e
62-38-4	-	PHENYLMERCURIC ACETATE	100	-	?	-	-	•	-
62-38-4	-	PHENYLMERCURY ACETATE	100	500/10000	•	-	-	?	-
90-43-7	2-	PHENYLPHENOL	-	-	-	-	•	-	-
638-21-1	-	PHENYLPHOSPHINE	-	-	-	•	-	-	-
2097-19-0	-	PHENYLSILATRANE	1	100/10000	•	-	-	-	e,h
103-85-5	-	PHENYLTHIOUREA	100	100/10000	•	-	-	?	-
103-85-5	N-	PHENYLTHIOUREA	100	-	?	-	-	•	-
57-41-0	-	PHENYTON	-	-	-	•	-	-	-
630-93-3	-	PHENYTON, SODIUM SALT OF	-	-	-	•	-	-	-
298-02-2	-	PHORATE	10	10	•	•	-	•	-
4104-14-7	-	PHOSACETIM	1	100/10000	•	-	-	-	e
947-02-4	-	PHOSFOLAN	1	100/10000	•	-	-	-	e
75-44-5	-	PHOSGENE	10	10	•	•	•	•	l
732-11-6	-	PHOSMET	1	10/10000	•	-	-	-	e
13171-21-6	-	PHOSPHAMIDON	1	100	•	-	-	-	e
7803-51-2	-	PHOSPHINE	100	500	•	•	-	•	-
2665-30-7	-	PHOSPHONOTHIOIC ACID, METHYL-, O-(4-NITROPHENYL) O-PHENYL ESTER	1	500	•	-	-	-	e
2703-13-1	-	PHOSPHONOTHIOIC ACID, METHYL-, O-ETHYL O-[4-(METHYLTHIO)PHENYL] ESTER	1	500	•	-	-	-	e
50782-69-9	-	PHOSPHONOTHIOIC ACID, METHYL-, S-[2-]BIS-	1	100	•	-	-	-	e
7664-38-2	-	PHOSPHORIC ACID	5000	-	-	•	•	•	-
6923-22-4	-	PHOSPHORIC ACID DIMETHYL 1-METHYL-3-(METHYLAMINO)-3-OXO-1-PROPENYLESTR	-	-	?	•	-	-	-

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
311-45-5	–	PHOSPHORIC ACID, DIETHYL P-NITROPHENYL ESTER	100	–	–	–	–	•	–
3254-63-5	–	PHOSPHORIC ACID, DIMETHYL 4-(METHYLTHIO)PHENYL ESTER	1	500	•	–	–	–	e
7446-27-7	–	PHOSPHORIC ACID, LEAD SALT	1	–	–	?	–	•	–
298-02-2	–	PHOSPHORODITHIOIC ACID,O,O-DIETHYL S-(ETHYLTHIO) METHYL ESTER	10	–	?	?	–	•	–
3288-58-2	–	PHOSPHORODITHIOIC ACID,O,O-DIETHYL S-METHYLESTER	5000	–	–	–	–	•	–
60-51-5	–	PHOSPHORODITHIOIC ACID,O,O-DIMETHYL S-[2(METHYLAMINO)-2-OXOETHYL]ESTER	10	–	?	–	–	•	–
55-91-4	–	PHOSPHOROFLUORIDIC ACID, BIS(1-METHYLETHYL) ESTER	100	–	?	–	–	•	–
2587-90-8	–	PHOSPHOROTHIOIC ACID, O,O-DIMETHYL-S-2-METHYLTHIO) ETHYL ESTER	1	500	•	–	–	–	ceg
56-38-2	–	PHOSPHOROTHIOIC ACID,O,O-DIETHYL O-(P-NITROPHENYL) ESTER	10	–	?	?	?	•	–
297-97-2	–	PHOSPHOROTHIOIC ACID,O,O-DIETHYL O-PYRAZINYL ESTER	100	–	?	–	–	•	–
52-85-7	–	PHOSPHOROTHIOIC ACID,O,O-DIMETHYL O-(P-[(DIMETHYLAMINO)...(SEE FAMPHUR)	1000	–	–	–	–	•	–
7723-14-0	–	PHOSPHOROUS (YELLOW OR WHITE)	–	–	?	?	•	?	–
7723-14-0	–	PHOSPHORUS	1	100	•	•	?	•	bjh
7723-14-0	–	PHOSPHORUS (YELLOW)	–	–	?	•	?	?	–
10025-87-3	–	PHOSPHORUS OXYCHLORIDE	1000	500	•	•	–	•	d
10026-13-8	–	PHOSPHORUS PENTACHLORIDE	1	500	•	•	–	–	be
1314-80-3	–	PHOSPHORUS PENTASULFIDE	100	–	–	•	–	•	–
1314-56-3	–	PHOSPHORUS PENTOXIDE	1	10	•	–	–	–	be
1314-80-3	–	PHOSPHORUS SULFIDE	100	–	–	?	–	•	–
7719-12-2	–	PHOSPHORUS TRICHLORIDE	1000	1000	•	•	–	•	–
–	–	PHTHALATE ESTERS	–	–	–	–	–	•	–
85-44-9	–	PHTHALIC ANHYDRIDE	5000	–	–	•	•	•	–
626-17-5	M-	PHTHALODINITRILE	–	–	–	•	–	–	–
57-47-6	–	PHYSOSTIGMINE	1	100/10000	•	–	–	–	e
57-64-7	–	PHYSOSTIGMINE, SALICYLATE (1:1)	1	100/10000	•	–	–	–	e
1918-02-1	–	PICLORAM	–	–	–	•	–	–	–
109-06-8	2-	PICOLINE	5000	–	–	–	–	•	–
88-89-1	–	PICRIC ACID	–	–	–	•	•	–	–
124-87-8	–	PICROTOXIN	1	500/10000	•	–	–	–	e
83-26-1	–	PINDONE	–	–	–	•	–	–	–
142-64-3	–	PIPERAZINE DIHYDROCHLORIDE	–	–	–	•	–	–	–
110-89-4	–	PIPERIDINE	1	1000	•	–	–	–	e
100-75-4	–	PIPERIDINE,1-NITROSO-	10	–	–	?	?	•	–
23505-41-1	–	PIRIMIFOS-ETHYL	1	1000	•	–	–	–	e
–	–	PLASTER OF PARIS	–	–	–	•	–	–	–
7440-06-4	–	PLATINUM, METAL	–	–	–	•	–	–	–
7440-06-4	–	PLATINUM, SOLUBLE SALTS	–	–	–	•	–	–	–
78-00-2	–	PLUMBANE, TETRAETHYL-	10	–	?	?	–	•	–
59536-65-1	–	POLYBROMINATED BIPHENYLS	–	–	–	•	–	–	–
–	–	POLYBROMINATED BIPHENYLS (PBBS) (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	–	–
1336-36-3	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	•	•	•	–
11096-82-5	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	–	–	•	–
11097-69-1	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	?	–	•	–
11104-28-2	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	–	–	•	–
11141-16-5	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	–	–	•	–
12672-29-6	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	–	–	•	–
12674-11-2	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	–	–	•	–
53469-21-9	–	POLYCHLORINATED BIPHENYLS (PCBS)	1	–	–	?	–	•	–
8001-35-2	–	POLYCHLORINATED CAMPHENE	–	–	?	•	?	?	–
–	–	POLYNUCLEAR AROMATIC HYDROCARBONS	–	–	–	–	–	•	–
–	–	POLYTETRAFLUOROETHYLENE DECOMPOSITION PRODUCTS	–	–	–	•	–	–	–
3564-09-8	–	PONCEAU 3R	–	–	–	•	–	–	–
3761-53-3	–	PONCEAU MX	–	–	–	•	?	–	–
65997-15-1	–	PORTLAND CEMENT	–	–	–	•	–	–	–
7784-41-0	–	POTASSIUM ARSENATE	1	–	–	–	–	•	–
10124-50-2	–	POTASSIUM ARSENITE	1	500/10000	•	–	–	•	d

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
7778-50-9	–	POTASSIUM BICHROMATE	10	–	–	–	–	•	–
7789-00-6	–	POTASSIUM CHROMATE	10	–	–	–	–	•	–
151-50-8	–	POTASSIUM CYANIDE	10	100	•	•	–	•	b
1310-58-3	–	POTASSIUM HYDROXIDE	1000	–	–	•	–	•	–
7722-64-7	–	POTASSIUM PERMANGANATE	100	–	–	–	–	•	–
506-61-6	–	POTASSIUM SILVER CYANIDE	1	500	•	–	–	•	b
671-16-9	–	PROCARBAZINE	–	–	–	•	–	–	–
366-70-1	–	PROCARBAZINE HYDROCHLORIDE	–	–	–	•	–	–	–
57-83-0	–	PROGESTERONE	–	–	–	•	–	–	–
2631-37-0	–	PROMECARB	1	500/10000	•	–	–	–	e,h
23950-58-5	–	PRONAMIDE	5000	–	–	–	–	•	–
116-06-3	–	PROPANAL,2-METHYL-2-(METHYLTHIO)-, O-[(METHYLAMINO)CARBONYL]OXIME	1	–	?	–	–	•	–
107-10-8	1-	PROPANAMINE	5000	–	–	–	–	•	
142-84-7	1-	PROPANAMINE, N-PROPYL	5000	–	–	–	–	•	–
621-64-7	–	1-PROPANAMINE, N-NITROSO-N-PROPYL	10	–	–	?	?	•	–
74-98-6	–	PROPANE	–	–	–	•	–	–	–
1120-71-4	–	PROPANE SULTONE	–	–	–	•	•	?	–
1120-71-4	1,3-	PROPANE SULTONE	10	–	–	•	?	•	–
96-12-8	–	PROPANE, 1,2-DIBROMO-3-CHLORO	1	–	–	?	?	•	–
108-60-1	–	PROPANE, 2,2'-OXYBIS(2-CHLORO-	1000	–	–	–	?	•	–
79-46-9	–	PROPANE, 2-NITRO-	10	–	–	?	?	•	–
109-77-3	–	PROPANEDINITRILE	1000	–	?	–	–	•	–
107-12-0	–	PROPANENITRILE	10	–	?	–	–	•	–
75-86-5	–	PROPANENITRILE, 2-HYDROXY-2-METHYL-	10	–	?	–	–	•	–
542-76-7	–	PROPANENITRILE, 3-CHLORO-	1000	–	?	–	–	•	–
55-63-0	1,2,3-	PROPANETRIOL, TRINITRATE-	10	–	–	?	?	•	–
126-72-7	1-	PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1)	10	–	–	?	?	•	–
78-83-1	1-	PROPANOL, 2-METHYL-	5000	–	–	?	–	•	–
67-64-1	2-	PROPANONE	5000	–	–	?	?	•	–
[illegible]11-2	2-	PROPANONE, 1-BROMO-	1000	–	–	–	–	•	–
[illegible]35-8	–	PROPARGITE	10	–	–	–	–	•	–
[illegible]19-7	–	PROPARGYL ALCOHOL	1000	–	–	•	–	•	–
106-96-7	–	PROPARGYL BROMIDE	1	10	•	–	–	–	e
107-18-6	2-	PROPEN-1-OL	100	–	?	?	–	•	–
107-02-8	2-	PROPENAL	1	–	?	?	?	•	–
79-06-1	2-	PROPENAMIDE	5000	–	?	?	?	•	–
1888-71-7	1-	PROPENE, 1,1,2,3,3,3-HEXACHLORO-	1000	–	–	–	–	•	–
542-75-6	–	PROPENE, 1,3-DICHLORO	100	–	–	?	?	•	–
107-13-1	2-	PROPENENITRILE	100	–	?	?	?	•	–
126-98-7	2-	PROPENENITRILE, 2-METHYL	1000	–	?	?	–	•	–
79-10-7	2-	PROPENOIC ACID	5000	–	–	?	?	•	–
97-63-2	2-	PROPENOIC ACID, 2-METHYL-, ETHYL ESTER	1000	–	–	–	–	•	–
80-62-6	2-	PROPENOIC ACID, 2-METHYL-, METHYL ESTER	1000	–	–	?	?	•	–
140-88-5	2-	PROPENOIC ACID, ETHYL ESTER	1000	–	–	?	?	•	–
57-57-8	BETA-	PROPIOLACTONE	1	500	•	•	•	–	e
123-38-6	–	PROPIONALDEHYDE	–	–	–	–	•	–	–
79-09-4	–	PROPIONIC ACID	5000	–	–	•	–	•	–
93-72-1	–	PROPIONIC ACID, 2-(2,4,5-TRICHLOROPHENOXY)-	100	–	–	–	–	•	–
123-62-6	–	PROPIONIC ANHYDRIDE	5000	–	–	–	–	•	–
107-12-0	–	PROPIONITRILE	10	500	•	–	–	?	–
542-76-7	–	PROPIONITRILE, 3-CHLORO-	1000	1000	•	–	–	?	–
70-69-9	–	PROPIOPHENONE, 4-AMINO	1	100/10000	•	–	–	–	e,g
114-26-1	–	PROPOXUR	–	–	–	•	•	–	–
109-60-4	N-	PROPYL ACETATE	–	–	–	•	–	–	–
71-23-8	–	PROPYL ALCOHOL	–	–	–	•	–	–	–
109-61-5	–	PROPYL CHLOROFORMATE	1	500	•	–	–	–	e
627-13-4	N-	PROPYL NITRATE	–	–	–	•	–	–	–
107-10-8	N-	PROPYLAMINE	5000	–	–	–	–	•	–
115-07-1	–	PROPYLENE	–	–	–	•	?	–	–
115-07-1	–	PROPYLENE (PROPENE)	–	–	–	?	•	–	–
78-87-5	–	PROPYLENE DICHLORIDE	1000	–	–	•	?	•	–
6423-43-4	–	PROPYLENE GLYCOL DINITRATE (PGDN)	–	–	–	•	–	–	–
107-98-2	–	PROPYLENE GLYCOL MONOMETHYL ETHER	–	–	–	•	–	–	–
75-56-9	–	PROPYLENE OXIDE	100	10000	•	•	•	•	l
[illegible]-8	–	PROPYLENEIMINE	1	10000	•	•	•	?	d
[illegible]-8	1,2-	PROPYLENIMINE	1	–	?	?	?	•	–

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
51-52-5	–	PROPYLTHIOURACIL	–	–	–	•	–	–	–
107-19-7	2-	PROPYN-1-OL	1000	–	–	?	–	•	–
2275-18-5	–	PROTHOATE	1	100/10000	•	–	–	–	e
129-00-0	–	PYRENE	5000	1000/10000	•	•	–	•	c
121-21-1	–	PYRETHRINS	1	–	–	–	–	•	–
121-29-9	–	PYRETHRINS	1	–	–	–	–	•	–
8003-34-7	–	PYRETHRINS	1	–	–	?	–	•	–
8003-34-7	–	PYRETHRUM	–	–	–	•	–	?	–
504-24-5	4-	PYRIDINAMINE	1000	–	?	–	–	•	–
110-86-1	–	PYRIDINE	1000	–	–	•	•	•	–
54-11-5	–	PYRIDINE, (S)-3-(1-METHYL-2-PYRROLIDINYL)-, AND SALTS	100	–	?	?	–	•	–
109-06-8	–	PYRIDINE, 2-METHYL-	5000	–	–	–	–	•	–
140-76-1	–	PYRIDINE, 2-METHYL-5-VINYL-	1	500	•	–	–	–	e
91-80-5	–	PYRIDINE, 2-[(2-(DIMETHYLAMINO)ETHYL)-2-THENYLAMINO]-	5000	–	–	–	–	•	–
504-24-5	–	PYRIDINE, 4-AMINO-	1000	500/10000	•	–	–	?	h
1124-33-0	–	PYRIDINE, 4-NITRO-, 1-OXIDE	1	500/10000	•	–	–	–	e
100-75-4	–	PYRIDINE, HEXAHYDRO-N-NITROSO-	1	–	–	?	?	•	–
66-75-1	2,4-(1H,3H)-	PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]	10	–	–	?	–	•	–
56-04-2	4(1H)-	PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO-	10	–	–	?	–	•	–
53558-25-1	–	PYRIMINIL	1	100/10000	•	–	–	–	e,h
107-49-3	–	PYROPHOSPHORIC ACID, TETRAETHYL ESTER	10	–	?	?	–	•	–
930-55-2	–	PYRROLIDINE,1-NITROSO	1	–	–	?	–	•	–
14808-60-7	–	QUARTZ, RESPIRABLE	–	–	–	•	–	–	–
14808-60-7	–	QUARTZ, TOTAL DUST	–	–	–	•	–	–	–
91-22-5	–	QUINOLINE	5000	–	–	–	•	•	–
106-51-4	–	QUINONE	–	–	–	•	•	?	–
82-68-8	–	QUINTOZENE [PENTACHLORONITROBENZENE]	100	–	–	–	•	•	–
–	–	RADIONUCLIDES	1	–	–	–	–	•	√
50-55-5	–	RESERPINE	5000	–	–	•	–	•	–
108-46-3	–	RESORCINOL	5000	–	–	•	–	•	–
7440-16-6	–	RHODIUM, INSOLUBLE COMPOUNDS	–	–	–	•	–	–	–
7440-16-6	–	RHODIUM, METAL (FUME AND DUSTS)	–	–	–	•	–	–	–
7440-16-6	–	RHODIUM, SOLUBLE COMPOUNDS	–	–	–	•	–	–	–
7440-16-6	–	RHODIUM, SOLUBLE SALTS	–	–	–	•	–	–	–
299-84-3	–	RONNEL	–	–	–	•	–	–	–
–	–	ROSIN CORE SOLDER PYROLYSIS PRODUCTS, AS FORMALDEHYDE	–	–	–	•	–	–	–
83-79-4	–	ROTENONE (COMMERCIAL)	–	–	–	•	–	–	–
–	–	ROUGE [IRON (III) OXIDE]	–	–	–	•	–	–	–
8030-30-6	–	RUBBER SOLVENT (NAPHTHA)	–	–	–	•	–	–	–
81-07-2	–	SACCHARIN (MANUFACTURING) (SEE REGULATION) [1,2-BENZISOTHIAZOL-3(2H)-O	–	–	–	?	•	?	–
81-07-2	–	SACCHARIN (SACCHARINE)	–	–	–	•	?	?	–
81-07-2	–	SACCHARIN AND SALTS	100	–	–	?	?	•	–
94-59-7	–	SAFROLE	100	–	–	•	•	•	–
14167-18-1	–	SALCOMINE	1	500/10000	•	–	–	–	e
107-44-8	–	SARIN	1	10	•	–	–	–	e,h
7783-00-8	–	SELENIOUS ACID	10	1000/10000	•	–	–	•	–
7782-49-2	–	SELENIUM	100	–	–	•	•	•	–
7782-49-2	–	SELENIUM COMPOUNDS	–	–	–	•	?	?	–
–	–	SELENIUM COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
7746-08-4	–	SELENIUM DIOXIDE	10	–	–	–	–	•	–
7488-56-4	–	SELENIUM SULFIDE	10	–	–	–	–	•	–
7488-56-4	–	SELENIUM SULFIDE SES2	10	–	–	–	–	•	–
7783-79-1	–	SELENIUM HEXAFLUORIDE	–	–	–	•	–	–	–
7746-08-4	–	SELENIUM OXIDE	10	–	–	–	–	•	–
7791-23-3	–	SELENIUM OXYCHLORIDE	1	500	•	–	–	–	e
7446-34-6	–	SELENIUM SULFIDE (SES)	–	–	–	•	–	–	–
630-10-4	–	SELENOUREA	1000	–	–	–	–	•	–
563-41-7	–	SEMICARBAZIDE HYDROCHLORIDE	1	1000/10000	•	–	–	–	e
115-02-6	L-	SERINE, DIAZOACETATE (ESTER)	1	–	–	?	–	•	–

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
136-78-7	–	SESONE	–	–	–	•	–	–	–
–	–	SHALE OILS, BITUMENS	–	–	–	•	–	–	–
–	–	SHALE OILS, COMMERCIAL BLENDS	–	–	–	•	–	–	–
–	–	SHALE OILS, CRUDE--DISTILLATION FRACTIONS	–	–	–	•	–	–	–
–	–	SHALE OILS, CRUDE--HIGH TEMPERATURE AND FRACTIONS	–	–	–	•	–	–	–
–	–	SHALE OILS, CRUDE--LOW TEMPERATURE	–	–	–	•	–	–	–
3037-72-7	–	SILANE, (4-AMINOBUTYL)DIETHOXYMETHYL-	1	1000	•	–	–	–	•
7631-86-9	–	SILICA, CRYSTALLINE	–	–	–	•	–	–	–
63231-67-4	–	SILICA, GEL	–	–	–	•	–	–	–
10193-36-9	–	SILICA, PRECIPITATED	–	–	–	•	–	–	–
7631-86-9	–	SILICA, SIO2, AMORPHOUS	–	–	–	•	–	–	–
60676-86-0	–	SILICA, SIO2, AMORPHOUS--SILICA, FUSED	–	–	–	•	–	–	–
7440-21-3	–	SILICON	–	–	–	•	–	–	–
409-21-2	–	SILICON CARBIDE	–	–	–	•	–	–	–
7803-62-5	–	SILICON TETRAHYDRIDE (SILANE)	–	–	–	•	–	–	–
7440-22-4	–	SILVER	1000	–	–	•	•	•	–
–	–	SILVER COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
506-64-9	–	SILVER CYANIDE	1	–	–	–	–	•	–
7761-88-8	–	SILVER NITRATE	1	–	–	–	–	•	–
7440-22-4	–	SILVER, SOLUBLE COMPOUNDS	–	–	–	•	?	?	–
93-72-1	–	SILVEX	100	–	–	–	–	•	–
–	–	SOAPSTONE	–	–	–	•	–	–	–
7440-23-5	–	SODIUM	10	–	–	–	–	•	–
7631-89-2	–	SODIUM ARSENATE	1	1000/10000	•	•	–	•	d
7784-46-5	–	SODIUM ARSENITE	1	500/10000	•	•	–	•	d
26628-22-8	–	SODIUM AZIDE	1000	–	?	•	–	•	–
[illegible]8-22-8	–	SODIUM AZIDE (NA(N3))	1000	500	•	?	–	?	b
[illegible]8-01-9	–	SODIUM BICHROMATE	10	–	–	–	–	•	–
[illegible]33-83-1	–	SODIUM BIFLUORIDE	100	–	–	–	–	•	–
7631-90-5	–	SODIUM BISULFITE	5000	–	–	•	–	•	–
124-65-2	–	SODIUM CACODYLATE	1	100/10000	•	–	–	–	•
7775-11-3	–	SODIUM CHROMATE	10	–	–	–	–	•	–
143-33-9	–	SODIUM CYANIDE	10	–	?	•	–	•	–
143-33-9	–	SODIUM CYANIDE (NA(CN))	10	100	•	?	–	?	b
25155-30-0	–	SODIUM DODECYLBENZENE SULFONATE	1000	–	–	–	–	•	–
7681-49-4	–	SODIUM FLUORIDE	1000	–	–	–	–	•	–
62-74-8	–	SODIUM FLUOROACETATE	10	10/10000	•	•	–	?	–
16721-80-5	–	SODIUM HYDROSULFIDE	5000	–	–	–	–	•	–
1310-73-2	–	SODIUM HYDROXIDE	1000	–	–	•	?	•	–
7681-52-9	–	SODIUM HYPOCHLORITE	100	–	–	–	–	•	–
10022-70-5	–	SODIUM HYPOCHLORITE	100	–	–	–	–	•	–
7681-57-4	–	SODIUM METABISULFITE	–	–	–	•	–	–	–
124-41-4	–	SODIUM METHYLATE	1000	–	–	–	–	•	–
7632-00-0	–	SODIUM NITRITE	100	–	–	–	–	•	–
7558-79-4	–	SODIUM PHOSPHATE, DIBASIC	5000	–	–	–	–	•	–
10039-32-4	–	SODIUM PHOSPHATE, DIBASIC	5000	–	–	–	–	•	–
10140-65-5	–	SODIUM PHOSPHATE, DIBASIC	5000	–	–	–	–	•	–
7601-54-9	–	SODIUM PHOSPHATE, TRIBASIC	5000	–	–	–	–	•	–
7758-29-4	–	SODIUM PHOSPHATE, TRIBASIC	5000	–	–	–	–	•	–
7785-84-4	–	SODIUM PHOSPHATE, TRIBASIC	5000	–	–	–	–	•	–
10101-89-0	–	SODIUM PHOSPHATE, TRIBASIC	5000	–	–	–	–	•	–
10124-56-8	–	SODIUM PHOSPHATE, TRIBASIC	5000	–	–	–	–	•	–
10361-89-4	–	SODIUM PHOSPHATE, TRIBASIC	5000	–	–	–	–	•	–
128-44-9	–	SODIUM SACCHARIN	–	–	–	•	–	–	–
13410-01-0	–	SODIUM SELENATE	1	100/10000	•	–	–	–	•
7782-82-3	–	SODIUM SELENITE	1000	–	–	–	–	•	–
10102-18-8	–	SODIUM SELENITE	100	100/10000	•	–	–	•	h
10102-20-2	–	SODIUM TELLURITE	1	500/10000	•	–	–	–	•
–	–	SOOTS, TARS AND MINERAL OILS	–	–	–	•	–	–	–
900-95-8	–	STANNANE,ACETOXYTRIPHENYL-	1	500/10000	•	–	–	–	e,g
9005-25-8	–	STARCH	–	–	–	•	–	–	–
–	–	STEARATES	–	–	–	•	–	–	–
10048-13-2	–	STERIGMATOCYSTIN	–	–	–	•	–	–	–
7803-52-3	–	STIBINE	–	–	–	•	–	–	–
[illegible]52-41-3	–	STODDARD SOLVENT	–	–	–	•	–	–	–

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
18883-66-4	–	STREPTOZOTOCIN	1	–	–	•	–	•	–
7789-06-2	–	STRONTIUM CHROMATE	10	–	–	•	–	•	–
357-57-3	–	STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY-	10	–	–	–	–	•	y,z
57-24-9	–	STRYCHNIDIN-10-ONE, AND SALTS	10	–	?	?	–	•	–
57-24-9	–	STRYCHNINE	10	100/10000	•	•	–	?	c
57-24-9	–	STRYCHNINE AND SALTS	10	–	?	?	–	•	–
60-41-3	–	STRYCHNINE, SULFATE	1	100/10000	•	–	–	–	e
100-42-5	–	STYRENE	1000	–	–	•	?	•	–
100-42-5	–	STYRENE	–	–	–	•	•	•	–
100-42-5	–	STYRENE (MONOMER)	–	–	–	•	?	?	–
96-09-3	–	STYRENE OXIDE	–	–	–	•	•	–	–
1395-21-7	–	SUBTILISINS (PROTEOLYTIC ENZYMES AS 100% PURE CRYSTALLINE ENZYME)	–	–	–	•	–	–	–
57-50-1	–	SUCROSE	–	–	–	•	–	–	–
95-06-7	–	SULFALLATE	–	–	–	•	–	–	–
3689-24-5	–	SULFOTEP	100	500	•	•	–	?	–
3569-57-1	–	SULFOXIDE, 3-CHLOROPROPYL OCTYL	1	500	•	–	–	–	e
10025-67-9	–	SULFUR CHLORIDE /S2CL2/	–	–	–	•	–	–	–
7446-09-5	–	SULFUR DIOXIDE	1	500	•	•	–	–	el
2551-62-4	–	SULFUR HEXAFLUORIDE	–	–	–	•	–	–	–
7783-06-4	–	SULFUR HYDRIDE	100	–	?	?	–	•	–
10025-67-9	–	SULFUR MONOCHLORIDE	–	–	–	•	–	–	–
12771-08-3	–	SULFUR MONOCHLORIDE	1000	–	–	–	–	•	–
5714-22-7	–	SULFUR PENTAFLUORIDE	–	–	–	•	–	–	–
1314-80-3	–	SULFUR PHOSPHIDE	100	–	–	?	–	•	–
7488-56-4	–	SULFUR SELENIDE	1	–	–	–	–	•	–
7783-60-0	–	SULFUR TETRAFLUORIDE	1	100	•	•	–	–	e
7446-11-9	–	SULFUR TRIOXIDE	1	100	•	–	–	–	he
7664-93-9	–	SULFURIC ACID	1000	1000	•	•	•	•	–
8014-95-7	–	SULFURIC ACID	1000	–	–	–	–	•	–
77-78-1	–	SULFURIC ACID, DIMETHYL ESTER	100	–	?	?	?	•	–
7446-18-6	–	SULFURIC ACID, THALLIUM(I) SALT	100	–	?	–	–	•	–
10031-59-1	–	SULFURIC ACID, THALLIUM(I) SALT	100	–	?	–	–	•	–
2699-79-8	–	SULFURYL FLUORIDE	–	–	–	•	–	–	–
35400-43-2	–	SULPROFOS	–	–	–	•	–	–	–
93-76-5	2,4,5-	T	1000	–	–	•	–	•	–
93-76-5	2,4,5-	T ACID	1000	–	–	?	–	•	–
1319-72-8	2,4,5-	T AMINES	5000	–	–	–	–	•	–
2008-46-0	2,4,5-	T AMINES	5000	–	–	–	–	•	–
3813-14-7	2,4,5-	T AMINES	5000	–	–	–	–	•	–
6369-96-6	2,4,5-	T AMINES	5000	–	–	–	–	•	–
6369-97-7	2,4,5-	T AMINES	5000	–	–	–	–	•	–
93-79-8	2,4,5-	T ESTERS	1000	–	–	–	–	•	–
1928-47-8	2,4,5-	T ESTERS	1000	–	–	–	–	•	–
2545-59-7	2,4,5-	T ESTERS	1000	–	–	–	–	•	–
25168-15-4	2,4,5-	T ESTERS	1000	–	–	–	–	•	–
61792-07-2	2,4,5-	T ESTERS	1000	–	–	–	–	•	–
13560-99-1	2,4,5-	T SALTS	1000	–	–	–	–	•	–
77-81-6	–	TABUN	1	10	•	–	–	–	eah
14807-96-6	–	TALC (FIBROUS)	–	–	–	•	–	–	–
14807-96-6	–	TALC (NON-ASBESTOS FORM)	–	–	–	•	–	–	–
7440-25-7	–	TANTALUM	–	–	–	•	–	–	–
72-54-8	–	TDE	1	–	–	–	–	•	–
13494-80-9	–	TELLURIUM	1	500/10000	•	?	–	–	e
13494-80-9	–	TELLURIUM AND COMPOUNDS	–	–	?	•	–	–	–
7783-80-4	–	TELLURIUM HEXAFLUORIDE	1	100	•	•	–	–	ajk
3383-96-8	–	TEMEPHOS	–	–	–	•	–	–	–
107-49-3	–	TEPP	10	100	•	•	–	?	–
13071-79-9	–	TERBUFOS	1	100	•	–	–	–	ah
100-21-0	–	TEREPHTHALIC ACID	–	–	–	–	•	–	–
26140-60-3	–	TERPHENYLS	–	–	–	•	–	–	–
61788-32-7	–	TERPHENYLS, HYDROGENATED	–	–	–	•	–	–	–
58-22-0	–	TESTOSTERONE	–	–	–	•	–	–	–
–	–	TESTOSTERONE AND ESTERS	–	–	–	•	–	–	–
315-37-7	–	TESTOSTERONE OENANTHATE	–	–	–	•	–	–	–
57-85-2	–	TESTOSTERONE PROPRIONATE	–	–	–	•	–	–	–
76-12-0	1,1,2,2-	TETRACHLORO-1-2-DIFLUOROETHANE	–	–	–	•	–	–	–
76-11-9	1,1,1,2-	TETRACHLORO-2-2-DIFLUOROETHANE	–	–	–	•	–	–	–
95-94-3	1,2,4,5-	TETRACHLOROBENZENE	5000	–	–	–	–	•	–
1746-01-6	–	TETRACHLORODIBENZO-DIOXIN	–	–	–	•	–	?	–
1746-01-6	2,3,7,8-	TETRACHLORODIBENZO-P-DIOXIN(TCDD)	1	–	–	?	–	•	–

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
-	-	TETRACHLORODIBENZO-PARA-DIOXIN	-	-	-	•	-	-	-
79-34-5	1,1,2,2-	TETRACHLOROETHANE	100	-	-	?	•	•	-
630-20-6	1,1,1,2-	TETRACHLOROETHANE	100	-	-	-	-	•	-
127-18-4	-	TETRACHLOROETHENE	100	-	-	?	?	•	-
127-18-4	-	TETRACHLOROETHYLENE	100	-	-	?	?	•	-
127-18-4	-	TETRACHLOROETHYLENE (PERCHLOROETHYLENE)	100	-	-	•	•	•	-
1335-88-2	-	TETRACHLORONAPHTHALENE	-	-	-	•	-	-	-
58-90-2	2,3,4,6-	TETRACHLOROPHENOL	10	-	-	-	-	•	-
961-11-5	-	TETRACHLORVINPHOS (PHOSPHORIC ACID,2-CHLORO-1-(2,4,5-TRICHLOROPHENYL)	-	-	-	-	•	-	-
78-00-2	-	TETRAETHYL LEAD	10	100	•	•	-	•	c,d
107-49-3	-	TETRAETHYL PYROPHOSPHATE	10	-	?	?	-	•	-
3689-24-5	-	TETRAETHYLDITHIOPYROPHOSPHATE	100	-	?	•	-	•	-
597-64-8	-	TETRAETHYLTIN	1	100	•	-	-	-	c,e
109-99-9	-	TETRAHYDROFURAN	1000	-	-	•	-	•	-
75-74-1	-	TETRAMETHYL LEAD	1	100	•	•	-	-	cal
3333-52-6	-	TETRAMETHYLSUCCINONITRILE	-	-	-	•	-	-	-
509-14-8	-	TETRANITROMETHANE	10	500	•	•	-	•	-
757-58-4	-	TETRAPHOSPHORIC ACID, HEXAETHYL ESTER	100	-	-	-	-	•	-
7722-88-5	-	TETRASODIUM PYROPHOSPHATE	-	-	-	•	-	-	-
479-45-8	-	TETRYL	-	-	-	•	-	-	-
1314-32-5	-	THALLIC OXIDE	100	-	-	-	-	•	-
7440-28-0	-	THALLIUM	1000	-	-	•	•	•	-
-	-	THALLIUM COMPOUNDS (SEE REGULATION FOR DEFINITION)	-	-	-	-	•	•	-
10031-59-1	-	THALLIUM SULFATE	100	100/10000	•	-	-	?	h
563-68-8	-	THALLIUM(I) ACETATE	100	-	-	-	-	•	-
6533-73-9	-	THALLIUM(I) CARBONATE	100	-	?	-	-	•	-
7791-12-0	-	THALLIUM(I) CHLORIDE	100	-	?	-	-	•	-
[illegible]02-45-1	-	THALLIUM(I) NITRATE	100	-	-	-	-	•	-
[illegible]39-52-0	-	THALLIUM(I) SELENIDE	1000	-	-	-	-	•	-
7446-18-6	-	THALLIUM(I) SULFATE	100	-	?	-	-	•	-
10031-59-1	-	THALLIUM(I) SULFATE	100	-	?	-	-	•	-
1314-32-5	-	THALLIUM(III) OXIDE	100	-	-	-	-	•	-
7440-28-0	-	THALLIUM, SOLUBLE COMPOUNDS	-	-	-	•	?	?	-
6533-73-9	-	THALLOUS CARBONATE	100	100/10000	•	-	-	?	c,h
7791-12-0	-	THALLOUS CHLORIDE	100	100/10000	•	-	-	?	c,h
2757-18-8	-	THALLOUS MALONATE	1	100/10000	•	-	-	-	cah
7446-18-6	-	THALLOUS SULFATE	100	100/10000	•	-	-	?	-
62-55-5	-	THIOACETAMIDE	10	-	-	•	•	•	-
96-69-5	4,4'-	THIOBIS (6-TERT-BUTYL-M-CRESOL)	-	-	-	•	-	-	-
2231-57-4	-	THIOCARBAZIDE	1	1000/10000	•	-	-	-	e
139-65-1	4,4'-	THIODIANILINE	-	-	-	•	•	-	-
39196-18-4	-	THIOFANOX	100	100/10000	•	-	-	•	-
68-11-1	-	THIOGLYCOLIC ACID	-	-	-	•	-	-	-
74-93-1	-	THIOMETHANOL	100	-	?	?	-	•	-
541-53-7	-	THIOMIDODICARBONIC DIAMIDE	100	-	?	-	-	•	-
297-97-2	-	THIONAZIN	100	500	•	-	-	?	-
7719-09-7	-	THIONYL CHLORIDE	-	-	-	•	-	-	-
108-98-5	-	THIOPHENOL	100	500	•	?	-	•	-
79-19-6	-	THIOSEMICARBAZIDE	100	100/10000	•	-	-	•	-
62-56-6	-	THIOUREA	10	-	-	•	•	•	-
5344-82-1	-	THIOUREA, (2-CHLOROPHENYL)-	100	100/10000	•	-	-	•	-
614-78-8	-	THIOUREA, (2-METHYLPHENYL)-	1	500/10000	•	-	-	-	e
86-88-4	-	THIOUREA, 1-NAPHTHALENYL-	100	-	?	?	-	•	-
103-85-5	-	THIOUREA, PHENYL-	100	-	?	-	-	•	-
137-26-8	-	THIRAM	10	-	-	•	-	•	-
1314-20-1	-	THORIUM DIOXIDE	-	-	-	•	•	-	-
7440-31-5	-	TIN OXIDE AND INORGANIC COMPOUNDS EXCEPT SNH4	-	-	-	•	-	-	-
7440-31-5	-	TIN, INORGANIC COMPOUNDS, EXCEPT OXIDES	-	-	-	•	-	-	-
7440-31-5	-	TIN, METAL	-	-	-	•	-	-	-
7440-31-5	-	TIN, ORGANIC COMPOUNDS	-	-	-	•	-	-	-
13463-67-7	-	TITANIUM DIOXIDE	-	-	-	•	-	-	-
7550-45-0	-	TITANIUM TETRACHLORIDE	1	100	•	-	•	-	e
119-93-7	O-	TOLIDINE	-	-	-	•	?	?	-
108-88-3	-	TOLUENE	1000	-	-	•	•	•	-
[illegible]4-9	-	TOLUENE 2,4-DIISOCYANATE	100	500	•	•	•	?	-

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
91-08-7	-	TOLUENE 2,6-DIISOCYANATE	100	100	•	•	•	?	-
91-08-7	-	TOLUENE DIISOCYANATE	100	-	?	?	?	•	-
584-84-9	-	TOLUENE DIISOCYANATE	100	-	?	?	?	•	-
26471-62-5	-	TOLUENE DIISOCYANATE	100	-	-	?	-	•	-
26471-62-5	-	TOLUENE DIISOCYANATE, COMMERCIAL MIXTURES	-	-	-	•	•	?	-
95-80-7	-	TOLUENEDIAMINE	10	-	-	?	?	•	-
496-72-0	-	TOLUENEDIAMINE	10	-	-	-	-	•	-
823-40-5	-	TOLUENEDIAMINE	10	-	-	-	-	•	-
25376-45-8	-	TOLUENEDIAMINE	10	-	-	-	?	•	-
95-53-4	O-	TOLUIDINE	100	-	-	•	•	•	-
106-49-0	P-	TOLUIDINE	100	-	-	•	-	•	-
108-44-1	M-	TOLUIDINE	-	-	-	•	-	-	-
636-21-5	O-	TOLUIDINE HYDROCHLORIDE	100	-	-	•	•	•	-
8001-35-2	-	TOXAPHENE	1	-	?	•	•	•	-
8001-35-2	O-	TOXAPHENE	1	-	?	?	?	•	-
93-72-1	2,4,5-	TP ACID	100	-	-	-	-	•	-
32534-95-5	2,4,5-	TP ACID ESTERS	100	-	-	-	-	•	-
14567-73-8	-	TREMOLITE	-	-	-	•	-	-	-
-	-	TREOSULPHAN	-	-	-	•	-	-	-
1031-47-6	-	TRIAMIPHOS	1	500/10000	•	-	-	-	e
68-76-8	-	TRIAZIQUONE (2,5-CYCLOHEXADIENE-1,4-DIONE, 2,3,4-TRIS (1-AZIRIDINYL)-)	-	-	-	?	•	-	-
24017-47-8	-	TRIAZOFOS	1	500	•	-	-	-	e
61-82-5	1H-1,2,4-	TRIAZOL-3-AMINE	10	-	-	?	-	•	-
126-73-8	-	TRIBUTYL PHOSPHATE	-	-	-	•	-	-	-
52-68-6	-	TRICHLORFON	100	-	-	-	?	•	-
52-68-6	-	TRICHLORFON [PHOSPHONIC ACID,(2,2,2-TRICHLORO-1-HYDROXYETHYL)-, DIMETHY	100	-	-	-	•	•	-
1558-25-4	-	TRICHLORO(CHLOROMETHYL)SILANE	1	100	•	-	-	-	e
27137-85-5	-	TRICHLORO(DICHLOROPHENYL)SILANE	1	500	•	-	-	-	e
76-13-1	1,1,2-	TRICHLORO-1,2,2-TRIFLUOROETHANE	-	-	-	•	?	-	-
76-03-9	-	TRICHLOROACETIC ACID	-	-	-	•	-	-	-
76-02-8	-	TRICHLOROACETYL CHLORIDE	1	500	•	-	-	-	e
120-82-1	1,2,4-	TRICHLOROBENZENE	100	-	-	•	•	•	-
71-55-6	1,1,1-	TRICHLOROETHANE	1000	-	-	?	?	•	-
79-00-5	1,1,2-	TRICHLOROETHANE	100	-	-	•	•	•	-
71-55-6	1,1,1-	TRICHLOROETHANE (METHYL CHLOROFORM)	-	-	-	?	•	?	-
79-01-6	-	TRICHLOROETHENE	100	-	-	?	?	•	-
79-01-6	-	TRICHLOROETHYLENE	100	-	-	•	•	•	-
115-21-9	-	TRICHLOROETHYLSILANE	1	500	•	-	-	-	e,h
75-69-4	-	TRICHLOROFLUOROMETHANE	-	-	-	•	-	?	-
594-42-3	-	TRICHLOROMETHANESULFENYL CHLORIDE	100	-	?	?	-	•	-
75-69-4	-	TRICHLOROMONOFLUOROMETHANE	5000	-	-	?	-	•	-
1321-65-9	-	TRICHLORONAPHTHALENE	-	-	-	•	-	-	-
327-98-0	-	TRICHLORONATE	1	500	•	-	-	-	e,k
88-06-2	2,4,6-	TRICHLOROPHENOL	10	-	-	•	•	•	-
95-95-4	2,4,5-	TRICHLOROPHENOL	10	-	-	-	•	•	-
609-19-8	3,4,5-	TRICHLOROPHENOL	10	-	-	-	-	•	-
933-75-5	2,3,6-	TRICHLOROPHENOL	10	-	-	-	-	•	-
933-78-8	2,3,5-	TRICHLOROPHENOL	10	-	-	-	-	•	-
15950-66-0	2,3,4-	TRICHLOROPHENOL	10	-	-	-	-	•	-
25167-82-2	-	TRICHLOROPHENOL	10	-	-	-	-	•	-
93-76-5	2,4,5-	TRICHLOROPHENOXYACETIC ACID	1000	-	-	?	-	•	-
98-13-5	-	TRICHLOROPHENYLSILANE	1	500	•	-	-	-	e,h
96-18-4	1,2,3-	TRICHLOROPROPANE	-	-	-	•	-	-	-
15468-32-3	-	TRIDYMITE	-	-	-	•	-	-	-
27323-41-7	-	TRIETHANOLAMINE DODECYLBENZENESULFONATE	1000	-	-	-	-	•	-
998-30-1	-	TRIETHOXYSILANE	1	500	•	-	-	-	e
121-44-8	-	TRIETHYLAMINE	5000	-	-	•	-	•	-
75-63-8	-	TRIFLUOROBROMOMETHANE	-	-	-	•	-	-	-
1582-09-8	-	TRIFLURALIN (BENZENEAMINE, 2,6-DINITRO-N,N-DIPROPYL-4-(TRIFLUOROMETHYL	-	-	-	-	•	-	-
552-30-7	-	TRIMELLITIC ANHYDRIDE	-	-	-	•	-	-	-
95-63-6	1,2,4-	TRIMETHYL BENZENE	-	-	-	-	•	-	-
25551-13-7	-	TRIMETHYL BENZENE	-	-	-	•	-	-	-

CAS or Other I.D. No.		CHEMICAL NAME	RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
121-45-9	-	TRIMETHYL PHOSPHITE	-	-	-	•	-	-	-
75-50-3	-	TRIMETHYLAMINE	100	-	-	•	-	•	-
75-77-4	-	TRIMETHYLCHLOROSILANE	1	1000	•	-	-	-	•
824-11-3	-	TRIMETHYLOLPROPANE PHOSPHITE	1	100/10000	•	-	-	-	e,h
1066-45-1	-	TRIMETHYLTIN CHLORIDE	1	500/10000	•	-	-	-	•
99-35-4	SYM-	TRINITROBENZENE	10	-	-	-	-	•	-
118-96-7	2,4,6-	TRINITROTOLUENE	-	-	-	•	-	-	-
78-30-8	-	TRIORTHOCRESYL PHOSPHATE	-	-	-	•	-	-	-
123-63-7	1,3,5-	TRIOXANE, 2,4,6-TRIMETHYL-	1000	-	-	-	-	•	-
603-34-9	-	TRIPHENYL AMINE	-	-	-	•	-	-	-
115-86-6	-	TRIPHENYL PHOSPHATE	-	-	-	•	-	-	-
639-58-7	-	TRIPHENYLTIN CHLORIDE	1	500/10000	•	-	-	-	•
1317-95-9	-	TRIPOLI (SILICA, SIO2, CRYSTALLINE)	-	-	-	•	-	-	-
126-72-7	-	TRIS (2,3-DIBROMOPROPYL) PHOSPHATE	10	-	-	•	•	•	-
555-77-1	-	TRIS(2-CHLOROETHYL)AMINE	1	100	•	-	-	-	e,h
68-76-8	-	TRIS(AZIRIDINYL)-PARA-BENZOQUINONE	-	-	-	•	?	-	-
52-24-4	-	TRIS(AZIRIDINYL)-PHOSPHINE SULPHIDE (THIOTEPA)	-	-	-	•	-	-	-
62450-06-0	-	TRP-P-1	-	-	-	•	-	-	-
75104-43-7	-	TRP-P-1 ACETATE	-	-	-	•	-	-	-
68808-54-8	-	TRP-P-1 MONOACETATE	-	-	-	•	-	-	-
62450-07-1	-	TRP-P-2	-	-	-	•	-	-	-
72254-58-1	-	TRP-P-2 ACETATE	-	-	-	•	-	-	-
72-57-1	-	TRYPAN BLUE	10	-	-	?	-	•	-
7440-33-7	-	TUNGSTEN AND CEMENTED TUNGSTEN CARBIDE	-	-	-	•	-	-	-
7440-33-7	-	TUNGSTEN, INSOLUBLE COMPOUNDS	-	-	-	•	-	-	-
7440-33-7	-	TUNGSTEN, SOLUBLE COMPOUNDS	-	-	-	•	-	-	-
8006-64-2	-	TURPENTINE	-	-	-	•	-	-	-
66-75-1	-	URACIL MUSTARD	10	-	-	•	-	•	-
7440-66-1	-	URANIUM (NATURAL), INSOLUBLE COMPOUNDS	-	-	-	•	-	-	-
-1	-	URANIUM (NATURAL), SOLUBLE COMPOUNDS	-	-	-	•	-	-	-
541-09-3	-	URANYL ACETATE	100	-	-	-	-	•	-
10102-06-4	-	URANYL NITRATE	100	-	-	-	-	•	-
36478-76-9	-	URANYL NITRATE	100	-	-	-	-	•	-
684-93-5	-	UREA, N-METHYL-N-NITROSO	1	-	-	?	?	•	-
759-73-9	-	UREA, N-ETHYL-N-NITROSO	1	-	-	?	?	•	-
-	-	URETHANE	-	-	-	•	-	-	-
51-79-6	-	URETHANE (ETHYL CARBAMATE)	100	-	-	•	•	•	-
110-62-3	N-	VALERALDEHYDE	-	-	-	•	-	-	-
2001-95-8	-	VALINOMYCIN	1	1000/10000	•	-	-	-	e,e
7803-55-6	-	VANADIC ACID, AMMONIUM SALT	1000	-	-	-	-	•	-
7440-62-2	-	VANADIUM (FUME OR DUST)	-	-	-	-	•	-	-
1314-62-1	-	VANADIUM (V2O5)	-	-	?	•	-	?	-
1314-62-1	-	VANADIUM (V2O5), RESPIRABLE DUST AND FUME	-	-	?	•	-	?	-
1314-62-1	-	VANADIUM PENTOXIDE	1000	100/10000	•	•	-	•	-
1314-62-1	-	VANADIUM(V) OXIDE	1000	-	?	?	-	•	-
27774-13-6	-	VANADYL SULFATE	1000	-	-	-	-	•	-
-	-	VEGETABLE OIL MISTS	-	-	-	•	-	-	-
108-05-4	-	VINYL ACETATE	5000	-	?	•	•	•	-
108-05-4	-	VINYL ACETATE MONOMER	5000	1000	•	?	?	?	d,l
593-60-2	-	VINYL BROMIDE	-	-	-	•	•	-	-
75-01-4	-	VINYL CHLORIDE	1	-	-	•	•	•	-
100-40-3	4-	VINYL CYCLOHEXENE	-	-	-	•	-	-	-
106-87-6	-	VINYL CYCLOHEXENE DIOXIDE	-	-	-	•	-	-	-
25013-15-4	-	VINYL TOLUENE	-	-	-	•	-	-	-
75-35-4	-	VINYLIDENE CHLORIDE	100	-	-	•	•	•	-
75-38-7	-	VINYLIDENE FLUORIDE	-	-	-	•	-	-	-
81-81-2	-	WARFARIN	100	500/10000	•	•	-	•	-
129-06-6	-	WARFARIN SODIUM	1	100/10000	•	-	-	-	e,h
-	-	WELDING FUMES (NOC)	-	-	-	•	-	-	-
-	-	WOOD DUST, ALL SOFT AND HARD WOODS	-	-	-	•	-	-	-
95-47-6	O-	XYLENE	1000	-	-	•	•	•	-
106-42-3	P-	XYLENE	1000	-	-	•	•	•	-
108-38-3	M-	XYLENE	1000	-	-	•	•	•	-
1330-20-7	-	XYLENE	-	-	-	•	?	?	-
1330-20-7	-	XYLENE (MIXED ISOMERS)	-	-	-	?	•	?	-
-7	-	XYLENE (MIXED)	1000	-	-	?	?	•	-

CAS or Other I.D. No.	CHEMICAL NAME		RQ	TPQ	EHS	OSH	TOXIC	CERCLA	NOTES
1477-55-0	M-	XYLENE ALPHA,ALPHA'-DIAMINE	–	–	–	•	–	–	–
1300-71-6	–	XYLENOL	1000	–	–	–	–	•	–
1300-73-8	–	XYLIDENE	–	–	–	•	–	–	–
87-62-7	2,6-	XYLIDINE	–	–	–	–	•	–	–
28347-13-9	–	XYLYLENE DICHLORIDE	1	100/10000	•	–	–	–	e
50-55-5	–	YOHIMBAN-16-CARBOXYLIC ACID,11,17-DIMETHOXY-18-... (SEE RESERPINE)	5000	–	–	?	–	•	–
7440-65-5	–	YTTRIUM	–	–	–	•	–	–	–
7440-65-5	–	YTTRIUM METAL AND COMPOUNDS	–	–	–	•	–	–	–
7440-66-6	–	ZINC	1000	–	–	–	?	•	–
7440-66-6	–	ZINC (FUME AND DUST)	–	–	–	–	•	?	–
557-34-6	–	ZINC ACETATE	1000	–	–	–	–	•	–
14639-97-5	–	ZINC AMMONIUM CHLORIDE	5000	–	–	–	–	•	–
14639-98-6	–	ZINC AMMONIUM CHLORIDE	5000	–	–	–	–	•	–
52628-25-8	–	ZINC AMMONIUM CHLORIDE	1000	–	–	–	–	•	–
39413-47-3	–	ZINC BERYLLIUM SILICATE	–	–	–	•	–	–	–
1332-07-6	–	ZINC BORATE	1000	–	–	–	–	•	–
7699-45-8	–	ZINC BROMIDE	1000	–	–	–	–	•	–
3486-35-9	–	ZINC CARBONATE	1000	–	–	–	–	•	–
7646-85-7	–	ZINC CHLORIDE	1000	–	–	•	–	•	–
7646-85-7	–	ZINC CHLORIDE FUME	–	–	–	•	–	?	–
1103-86-9	–	ZINC CHROMATE	–	–	–	•	–	–	–
13530-65-9	–	ZINC CHROMATE	–	–	–	•	–	–	–
37300-23-5	–	ZINC CHROMATE AS CR	–	–	–	•	–	–	–
–	–	ZINC COMPOUNDS (SEE REGULATION FOR DEFINITION)	–	–	–	–	•	•	–
557-21-1	–	ZINC CYANIDE	10	–	–	–	–	•	–
7783-49-5	–	ZINC FLUORIDE	1000	–	–	–	–	•	–
557-41-5	–	ZINC FORMATE	1000	–	–	–	–	•	–
7779-86-4	–	ZINC HYDROSULFITE	1000	–	–	–	–	•	–
7779-88-6	–	ZINC NITRATE	1000	–	–	–	–	•	–
1314-13-2	–	ZINC OXIDE	–	–	–	•	–	–	–
1314-13-2	–	ZINC OXIDE DUST	–	–	–	•	–	–	–
1314-13-2	–	ZINC OXIDE FUME	–	–	–	•	–	–	–
127-82-2	–	ZINC PHENOLSULFONATE	5000	–	–	–	–	•	–
1314-84-7	–	ZINC PHOSPHIDE	100	500	•	–	–	•	b
16871-71-9	–	ZINC SILICOFLUORIDE	5000	–	–	–	–	•	–
557-05-1	–	ZINC STEARATE	–	–	–	•	–	–	–
7733-02-0	–	ZINC SULFATE	1000	–	–	–	–	•	–
58270-08-9	–	ZINC, DICHLORO(4,4-DIMETHYL-5-[[(METHYLAMINO)...	1	100/10000	•	–	–	–	e
12122-67-7	–	ZINEB [CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, ZINC COMPLEX]	–	–	–	–	•	–	–
7440-67-7	–	ZIRCONIUM	–	–	–	•	–	–	–
7440-67-7	–	ZIRCONIUM COMPOUNDS	–	–	–	•	–	–	–
13746-89-9	–	ZIRCONIUM NITRATE	5000	–	–	–	–	•	–
16923-95-8	–	ZIRCONIUM POTASSIUM FLUORIDE	1000	–	–	–	–	•	–
14644-61-2	–	ZIRCONIUM SULFATE	5000	–	–	–	–	•	–
10026-11-6	–	ZIRCONIUM TETRACHLORIDE	5000	–	–	–	–	•	–

Notes:

a–This chemical does not meet acute toxicity criteria. Its TPQ is set at 10,000 pounds.
b–This material is a reactive solid. The TPQ does not default to 10,000 pounds for non-powder, non-molten, non-solution form.
c–EPA changed the calculated TPQ and the reader is referred to the Federal Register of April 22, 1987 for further details.
d–EPA has indicated that the RQ is likely to change when the assessment of potential carcinogenicity and chronic toxicity is completed.
e–Statutory reportable quantity for purposes of notification under SARA Section 304(a)(2) of the Emergency Planning and Community Right to Know Act.
f–EPA has indicated that the statutory 1 pound reportable quantity for methyl isocyanate may be adjusted in a future rulemaking action.
g–New chemicals added that were not part of the original list of 402 substances.
h–Revised TPQ based on new or re-evaluated toxicity data.
j–TPQ is revised to its calculated value and does not change due to technical review as in proposed rule.
k–The TPQ was revised after proposal due to calculation error.
l–Chemicals on the original list that do not meet the toxicity criteria but because of their high production volume and recognized toxicity are considered chemicals of concern.
m–Hydrogen Chloride is an extremely hazardous substance for the gas only.
w–EPA has listed hydrogen peroxide as an extremely hazardous substance in concentrations greater than 52%.

†—A dagger indicates that the material is a hazardous waste under RCRA. The entries have been abbreviated in the space available. For a complete description, the reader should refer to the Federal Register of April 4, 1985, September 29, 1986, and August 14, 1989.

y—A discrepancy occurs between EPA's listing for the hazardous substance and EPA's listing of its regulatory synonym. Please consult the CAS listing for this substance and the original regulation.

z—This code indicates that the user may wish to compare the final regulations of the Department of Transportation for discharge reporting (see 52 Fed. Reg. 42174, November 21, 1986) and the final regulations of EPA establishing reportable quantities under CERCLA (see 51 Fed. Reg. 34534, September 29, 1986). A difference exists between the reportable quantities established by the two agencies.

††—No reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 100 micrometers (0.004 inches).

ν—RQs now measured in curies for 1500 radionuclides, see 54 FR 22524, May 24, 1989.

APPENDIX C

EVACUATION PLAN

In the event of a sudden and uncontrollable occurrence such as a fire, explosion, or major uncontrollable chemical spill, and if the degree of risk precludes making an effort to stop or diminish the effects of the occurrence, the area of the occurrence should be evacuated immediately and in an orderly and efficient manner. Employees should utilize any of several exits (described below) available at the treatment areas.

The facility has a public address (PA) system throughout the manufacturing facility. There are also telephones located throughout the facility. These telephones can access the PA system. In case of an emergency a first observer (employee) of the incident or emergency can access the PA system and announce the need to evacuate. There is a PA system in the Concentrated Waste Treatment Plant Main Building (CWTP-1) and there will be a PA system in the new Centralized Waste Storage and Transfer Facility (CWS&TF). In all other emergencies the public address system in these buildings will be used to notify all personnel of emergency evacuation instructions.

Once evacuation has been called, employees shall proceed to the nearest building exit, leave the area, and assemble in front of the Maintenance Building on Willow Street immediately for check in. Employees evacuating from the Colt Street treatment plant should also proceed to the front of the Maintenance Building on Willow Street immediately for check in using any available transportation. If transportation is not available, employees shall assemble at the following locations and await further instructions.

- Colt Street Treatment Plant: entrance gate at Colt Street.

A complete description of evacuation routes is presented below. Building maps, designating the building exits described below as possible evacuation routes are provided on Figure 3.

A) CONCENTRATED WASTE TREATMENT PLANT - Main Building (CWPT-1)

1) Pedestrian exit doors:

a) South side, ground level (level between basement and first floor). Exit under treatment platform to outside door on south side or into Main Building to outside on east side.

b) East side, first floor exits to treatment plant yard.

c) South side, platform level (level between first and second floor). Exits across treatment platform and down stairs to south side outside door or into Main Building and to outside door on east side.

2) Other exits:

a) West side, ground level - folding exit doors to treatment plant yard.

b) East side, first floor, transporter repair area - overhead exit door to treatment plant yard.

B) CONCENTRATED WASTE TREATMENT PLANT - Waste Storage Building (CWTP-2)

1) Pedestrian door exits:

a) North side, first floor exit to treatment plant yard.

b) West side, first floor exit to treatment plant yard.

2) Other Exits:

a) West side, first floor overhead door exits to treatment plant yard.

C) CONCENTRATED WASTE TREATMENT PLANT - Storage Building A (CWTP-5)

1) Pedestrian door exits:

a) West side of building, exit to treatment plant yard.

b) South side of building.

2) Overhead door exits:

a) Four on west side of building, exit to treatment plant yard.

D) CONCENTRATED WASTE TREATMENT PLANT - STORAGE BUILDING B (CWTP-6)

1) Pedestrian door exits:

a) North side of building, exit to treatment plant yard.

2) Overhead door exits:

a) Three on north side of building, exit to treatment plant yard.

E) CONCENTRATED WASTE TREATMENT PLANT - Planned Centralized Waste Storage and Transfer Facility

1) Pedestrian door exits

a) All four sides, exit to yard or Willow Street

2) Overhead door exits

a) South side of building, exit to Willow Street

b) North side of building, exit to yard

F) CONCENTRATED WASTE TREATMENT PLANT - Yard Area

1) Fence exits are located on the east, west, and south sides of the yard, exit to maintenance building area, Willowbrook Road, and Willow Street, respectively.

G) PRE-TREATMENT PLANT

1) Pedestrian door exits:

a) South side.

b) East side.

2) Other Exits:

a) East side, overhead doors.

H) COLT STREET TREATMENT PLANT

1) Pedestrian door exits:

a) South side of control building, upper level, exit via road to gate at Colt Street.

b) South side of control building, truck loading area, lower level, exit via road to gate at Colt Street.

c) North side of control building, upper level, exit onto rapid mix tank and use stairs at southwest corner, sidewalk and road to gate at Colt Street (NOTE: Use this route to exit from lower level pump room.

d) West side of control building from oil pump room, lower level, exit via road to gate at Colt Street.

e) South side of thickener gallery, exit via stairs, walk and road to gate at Colt Street.

2) Overhead door exits:

a) Three doors on west side of control building, truck loading area, lower level, exit via road to gate at Colt Street.

b) One door on south of control building, loading dock, upper level, exit via road to gate at Colt Street (NOTE: This exit has a four foot drop to grade and is to be used only if the personnel door is not usable).

3) Tanks and grounds:

a) Rapid mix tank and oil separator walkways, use stairs at southwest corner, sidewalk and road to gate at Colt Street.

b) Thickener tank walkways, use stairs on south side, sidewalk and road to gate at Colt Street.

c) Clarifiers and neutralization tank walkways, use stairs on west side and road to gate at Colt Street.

d) Other points on this site, use most direct safe route to gate at Colt Street.

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2571

Facility Name: Pratt & Whitney

Facility ID#: CTD990672081

Phase Classification: R-1B

Purpose of Target Sheet:

[X] Oversized (in Site File) [ ] Oversized (in Map Drawer)

[ ] Page(s) Missing (Please Specify Below)

[ ] Potential FOIA Exempt [ ] Other (Please Provide Purpose Below)

Description of Oversized Material, if applicable:

Figure 3: Evacuation Routes 11/12/1990

[X] Map [ ] Photograph [] Other (Please Specify Below)

* Please Contact the EPA New England RCRA Records Center to View This Document *

APPENDIX D

TYPICAL EMERGENCY EQUIPMENT INVENTORY

1. Concentrated Waste Treatment Plant - Main Building (CWTP-1)

A) SPILL CONTROL EQUIPMENT

1) Shovels and brooms
2) Barrels, transporters, and pumps
3) Soda ash, absorbent material, and oil spill control booms

B) COMMUNICATION EQUIPMENT

1) Telephones - two (2) in office and one (1) just inside the Main Building door on the east side.
2) PA System

C) FIRE EXTINGUISHING EQUIPMENT

1) 15 lb. carbon dioxide, first floor
2) 2.5 gal. water, first floor
3) 6 lb. ABC, second floor

D) PERSONNEL SAFETY EQUIPMENT "In Lockers"

1) Full protective clothing, face shields, boots, aprons, gloves
2) Respirators
3) Scott Air Paks - two (2) on first floor; 30-minute duration
4) Emergency shower

a) Platform
b) Outside office door
c) Basement
d) Laboratory

5) Eye Wash Station

a) Inside east door
b) Basement
c) Laboratory

2. Concentrated Waste Treatment Plant - Barrel Storage Building (CWTP-2)

A) SPILL CONTROL EQUIPMENT

1) Shovels and brooms
2) Barrels
3) Sawdust and absorbent material

B) COMMUNICATION EQUIPMENT

1) Telephone
2) PA System Speaker

C) FIRE EXTINGUISHING EQUIPMENT

1) 30 lb. ABC, inside
2) 6 lb. ABC, outside

D) PERSONNEL SAFETY EQUIPMENT

1) Full protective clothing, face shield, boots, aprons, gloves
2) Shower - northeast corner
3) Eye wash station - northeast corner

3. Concentrated Waste Treatment Plant - Transporter Storage Pad (CWTP-4)

A) SPILL CONTROL EQUIPMENT

1) Shovels and brooms
2) Sawdust and absorbent material

B) FIRE EXTINGUISHING EQUIPMENT

1) 6 lb. ABC, outside

D) PERSONNEL SAFETY EQUIPMENT

1) Obtain PPE from trailer or CWTP-1

4. Concentrated Waste Treatment Plant - Storage Building A (CWTP-5)

A) SPILL CONTROL EQUIPMENT

1) Shovels and brooms
2) Barrels
3) Sawdust and absorbent material

B) COMMUNICATION EQUIPMENT

1) Telephone
2) PA System Speaker

C) FIRE EXTINGUISHING EQUIPMENT

1) 30 lb. ABC, outside
2) 6 lb. ABC, inside

D) PERSONNEL SAFETY EQUIPMENT

1) Full protective clothing, face shields, boots, aprons, gloves
2) Eye wash station - inside on south wall
3) Emergency Shower

5. Concentrated Waste Treatment Plant - Storage & Building B (CWTP-6)

A) SPILL CONTROL EQUIPMENT

1) Shovels and brooms
2) Barrels
3) Sawdust and absorbent material

B) COMMUNICATION EQUIPMENT

1) Telephone
2) PA System Speaker

C) FIRE EXTINGUISHING EQUIPMENT

1) 30 lb. ABC, outside
2) 6 lb. ABC, inside

D) PERSONNEL SAFETY EQUIPMENT

1) Full protective clothing, face shields, boots, aprons, gloves
2) Eye wash station - inside on south wall
3) Emergency Shower

6. Concentrated Waste Treatment Plant - Planned Centralized Waste Storage and Transfer Facility

A) SPILL CONTROL EQUIPMENT

1) Shovels and brooms
2) Barrels
3) Sawdust and absorbent material

B) COMMUNICATION EQUIPMENT

1) Telephones
2) PA system

C) FIRE EXTINGUISHING EQUIPMENT

1) Automatic sprinkler system
2) Automatic foam system
3) 30 lb. ABC's, outside
4) 6 lb. ABC's, inside

D) PERSONNEL SAFETY EQUIPMENT

1) Full protective clothing, face shields, boots, aprons, gloves
2) Respirators
3) Scott air paks
4) Emergency showers and eye wash stations

7. Pre-Treatment Plant

A) SPILL CONTROL EQUIPMENT

1) Shovels and Brooms
2) Barrels
3) Pump, hose, absorbent material

B) COMMUNICATION EQUIPMENT

1) Telephone

C) FIRE EXTINGUISHING EQUIPMENT

1) Sprinkler System
2) 15 lb. carbon dioxide extinguisher

D) PERSONNEL SAFETY EQUIPMENT

1) Face shield, boots, aprons, gloves
2) Shower and eye wash stations

a) Next to sink on south side
b) East Wall
c) Near barrel pump in storage room

8. Colt Street Treatment Plant

A) SPILL CONTROL EQUIPMENT

1) Shovels buckets and brooms
2) Pump, hose, and wet-vac
3) Sodium bicarbonate
4) Oil absorbent material
5) Decontamination Equipment

B) COMMUNICATION EQUIPMENT

1) Telephone

C) FIRE EXTINGUISHING EQUIPMENT

1) Fire hydrant and hoses
2) Carbon dioxide extinguisher
3) Dry chemical extinguisher
4) 2-1/2 gallon water extinguishers

D) PERSONNEL SAFETY EQUIPMENT

1) Protective Clothing - Face shield, goggles, boots, gloves
2) Shower and eye wash station
   a) Main Level - outside office
   b) Lower Level
3) Scott Air Paks

9. E.H. Mobile Van - Rescue 15

Quantity	Content
1	D.O.T. Guide Book
1	Emergency Location Book
1	Aircraft Rescue Book
1	Grid Maps (Set)
1	Kit (Emerg. Rescue See Page #4)
1	Light (Hand)
1	Protector (Ear)
1	Pair Crash Gloves
3	Lights (Flood)
2	Nomex Crash Gear
1	Bag of Saw Dust
2	Fiber Board Drums
1	Spool, Yellow Electric Cord
1	Light (Carpenter)

E.H. Mobile Van - Rescue 15 (Cont'd)

Quantity	Content
1	Hand Light
2	Scott Air Pak 4.5
2	Scott Cylinders (Spare 2.2)
1	Water Vac, @ Wand
1	Pump (Submersible)
1	Rope (50' 1/2")
1	Rope (200' 1/2")
1	Rope (80' 3/4")
1	Rope (50' 3/4")
1	Rope (100' 3/4")
1	Shovel Long Handle
1	Command Post Flag
1	Ext. Cord, Grey for Water Vac
4	125 ft. Extension Cords
1	15 ft. Line cord Feed for R-14
1	Generator (4500 W. Honda EX4500S)
2	Lights (Emergency Flood)
1	RS-10 Extrication Tool Kit
1	Bag of Saw Dust
1	Partner K-1200 Rescue Saw]
1	NIOSH Haz-Mat Hand Book

2	Goggles (Safety)
1	Haz/Mat Box, Plugs Wood & Rubber
1	Salvage Cover
2	Rescue Belts
5	Pair Rubber Gloves
1	Plastic Tarp
1	Barrel Wrench
1	Bolt Cutter (#1)
1	Bolt Cutter (#3)
1	Bolt Cutter (#5)
1	Come Along
1	Come Along Handle (spare)
3	Steel Cables
1	Junction Box (Electrical)
1	Tool Box (See This Page)

TOOL BOX

2	Blades (Hacksaw)
2	Chisel (Cold)
1	Cutter (Sheet Metal)
1	Hacksaw
1	Suction Tile Puller
1	Hook (Bale)
1	Knife (Linoleum)
1	Pipe Cutter (Small)]
1	Plier (Vise Grip)
1	Channel Lock Plier
1	Screwdriver (6")
1	Screwdriver (Phillips #1)
1	Screwdriver (Phillips #2)
1	Terminal Puller
1	Wrench (1/2 x 9/16)
1	Key Hole Saw with 3 Blades
1	Acetylene Wrench
1	Spark Plug Wrench
1	Center Punch (Spring Loaded)
2	12' Chains with Hook and Eyes

RESCUE TOOL KIT

1	Chisel (Cold)
1	Cutter (Sheet Metal)
1	Cutter (Wire)
2	Hack Saw Blades
1	Hacksaw
1	Hammer (2#)
1	Mallet
1	Plier (Channel Lock)
1	Plier (Standard)
1	Plier (Water Pump)
1	Screwdriver (6")
1	Sling (Rope with Hook)
	Plugs Assorted

Quantity	Content
1	Handlight
1	Emergency Locator Book (Glove Compartment)
1	Set of Binoculars (Glove Compartment)
2	Remco Hazmat Shovels
1	Broom
1	Hazardous Material Kit (RED)
1	600 ft. 3/8 in. Poly Rope on Reel
1	3 ft. Iron Pipe, Rope Reel Handle
1	5 Gallon Pail of Soda Ash
1	5 Gallon Pail of Saw Dust
2	Dust Pans
2	Hand Brooms
2	Air Packs (One Hour, on Front Wall)
4	Stantions
1	Length of Poly Rope (Yellow)
1	Honda EX-3500 Portable Gen
1	125 ft. Cord
1	Line Cord to Power R-14
1	Roll, Plastic in Box
1	C. Post Flag (Orange)
2	Cardboard Drums
4	Bags of Saw Dust
1	5 Gallon Yellow Emergency Response Pac
1	Chlorine B Kit
2	Spare Hour Air Bottles in Racks
1	Absorbent Pad (Roll)
2	Pair Pioneer Neoprene Gloves
2	Sarnex Disposable Suits
1	Green P.V.C. Vinyl Suit

YELLOW HAZMAT TOOL BOX

7	White Suits
3	Yellow Suits
3	Pair Rubber Gloves (Lt. Green)
4	Pair Dark Green Rubberized Gloves
3	Pair Latex Gloves
2	Rolls Barrier Tape
1	Roll Duct Tape
1	Roll Red Masking Tape
2	Containers of Litmus Paper
1	Shoe Me Megaphone
2	Pair Knee Boots
	Pigs
1	Roll Masking Tape
1	Roll of Duct Tape
1	Box Disposable Gloves
	Yellow Disposable Suits
1	Incident Data Sheet Clip Board
1	Incident Command Board

1	Face Shield
	Plastic Trash Bags
4	Hazmat Radio Sets Clark H-7140
3	Chris Manuals
1	Hazardous Chem Data Book
1	Safety Officers Helmet
1	Fire Protection Guide on Haz-Mat
4	Trell Chem Suits
4	Motorola Hand Portable Radios
1	NIOSH Haz-Mat Hand Book
1	Incident Commander Vest
1	Safety Officers Vest
2	P&W Environmental Officers Vests

DECON MATERIAL IN TRUCKWELL

1	Portable Decon Shower
3	Portable Decon Pools
3	32 Gallon Decon Barrels
5	Containment Pigs
4	Lengths of 3/4 in. Garden Hose
1	Hose Manifold (3/4 in. to 1 1/2 in.)
1	Roll of Plastic 4 ft. Wide
1	30 x 50 ft. Decon Plastic Tarp
1	Wooden Handle Decon Brush
1	Roll of Barrier Tape

APPENDIX E

Emergency Equipment Locations

KEY

EMERGENCY EQUIPMENT LOCATION MAPS

A - Shovels and brooms

B - Barrels

C - Sodium bicarbonate or absorbent materials

D - Sawdust

E - Telephone

F - PA System or speaker

G - Fire extinguisher

H - Protective clothing, face shields, boots, gloves, aprons

I - Respirators

J - Scott Air Paks

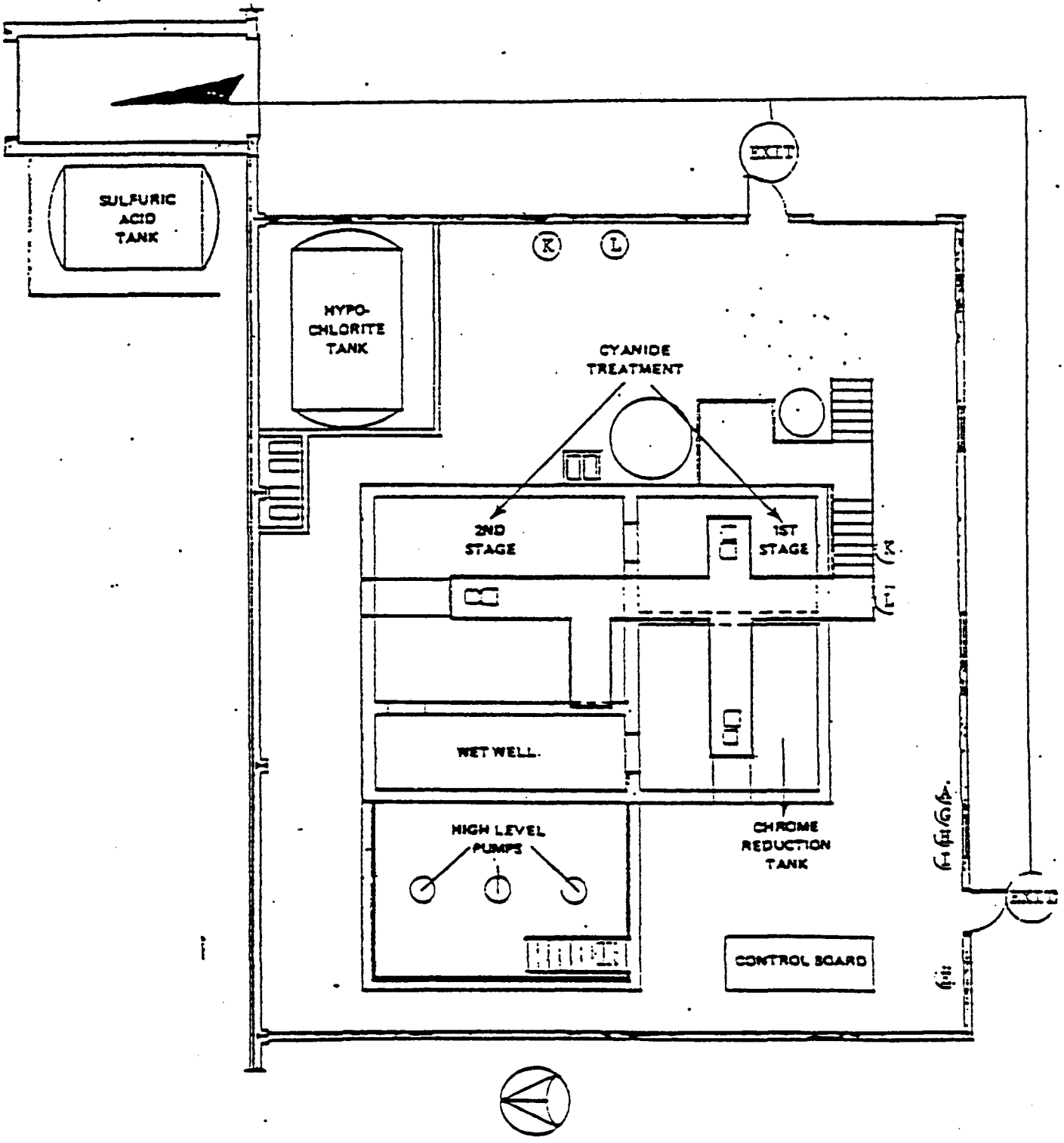
K - Emergency showers

L - Emergency eye wash

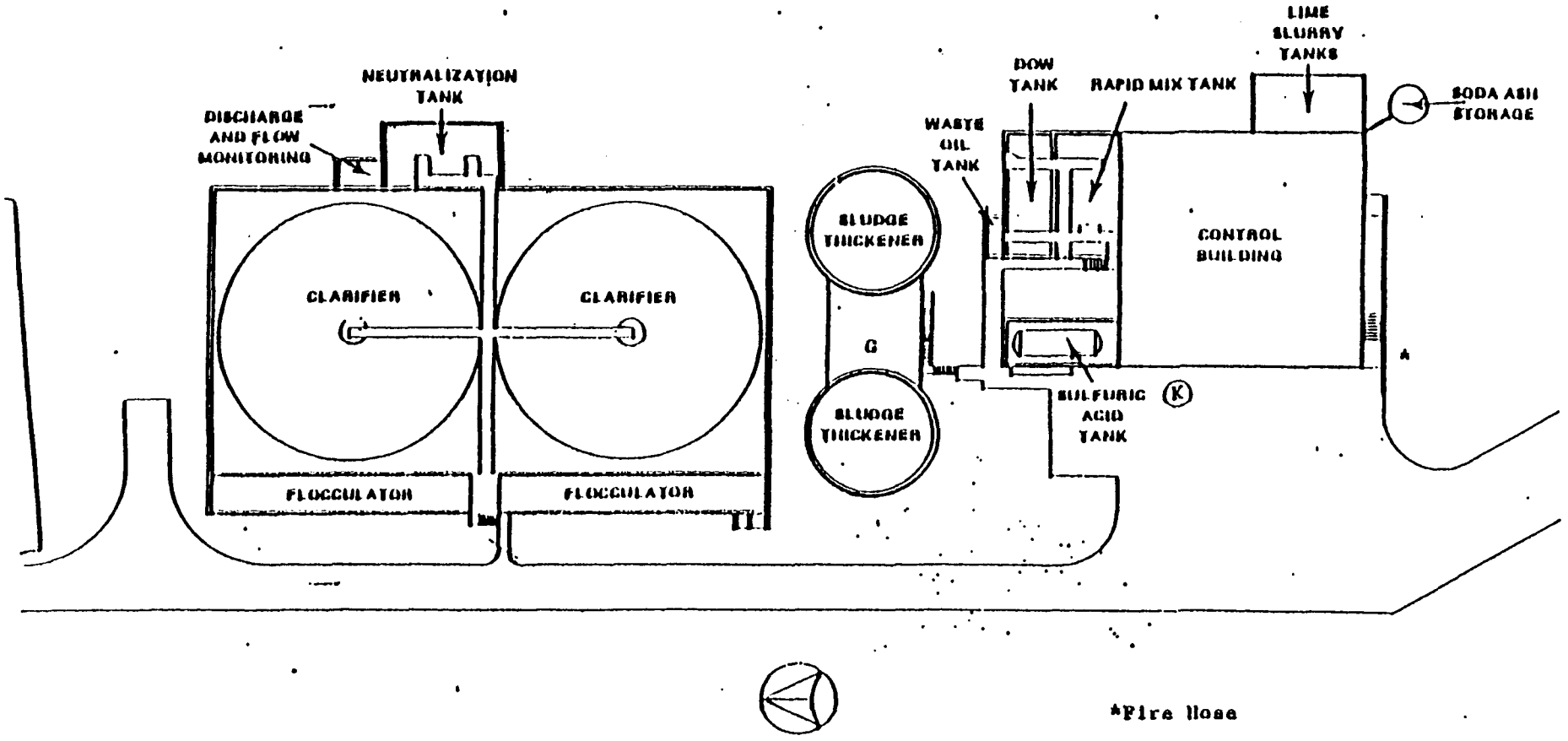
M - Pumps

NOTE: No circle around a letter indicates item present on another floor in the approximate location.

PRE-TREATMENT PLANT

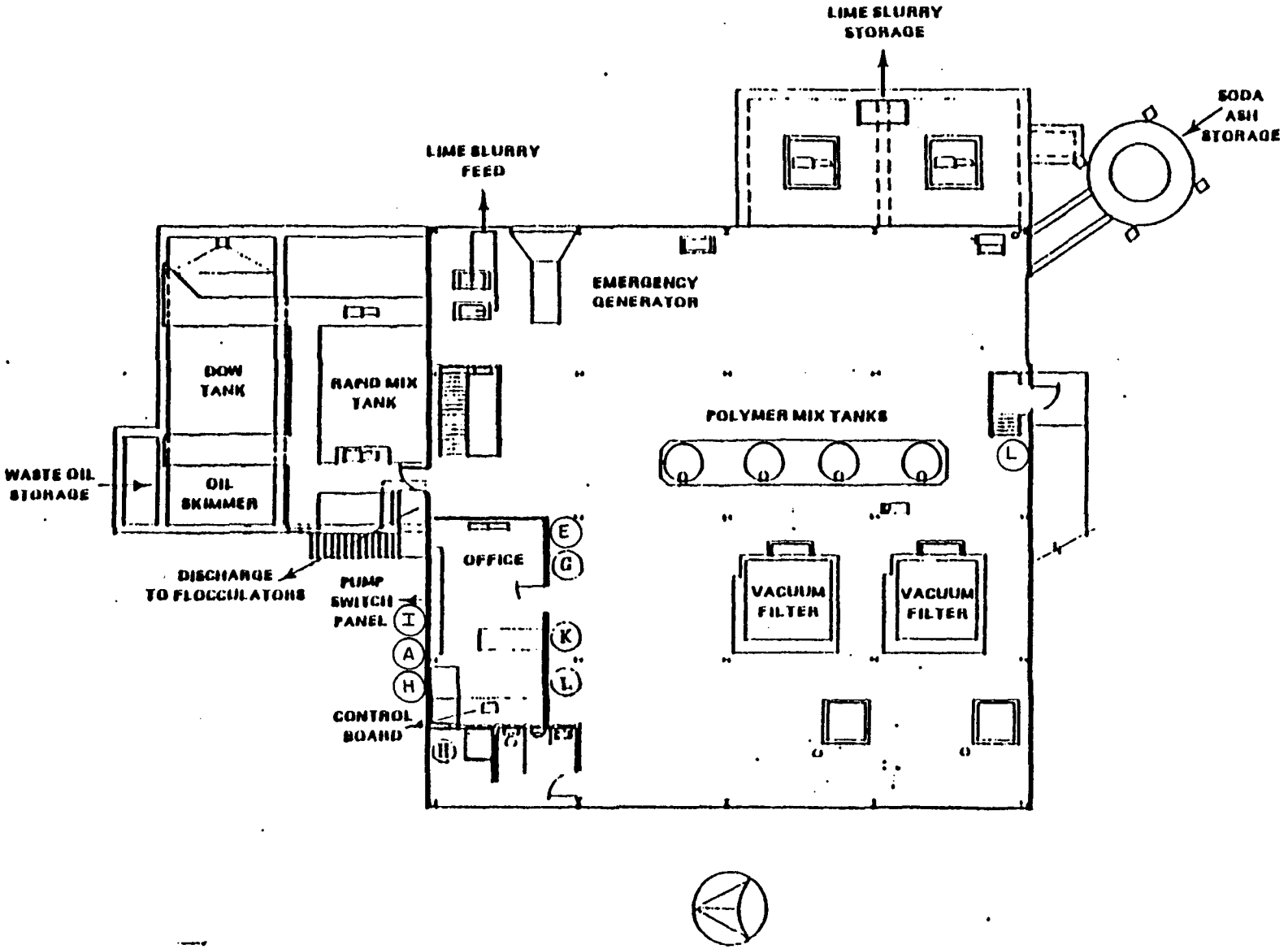


COLT ST. TREATMENT PLANT
LOCATION MAP

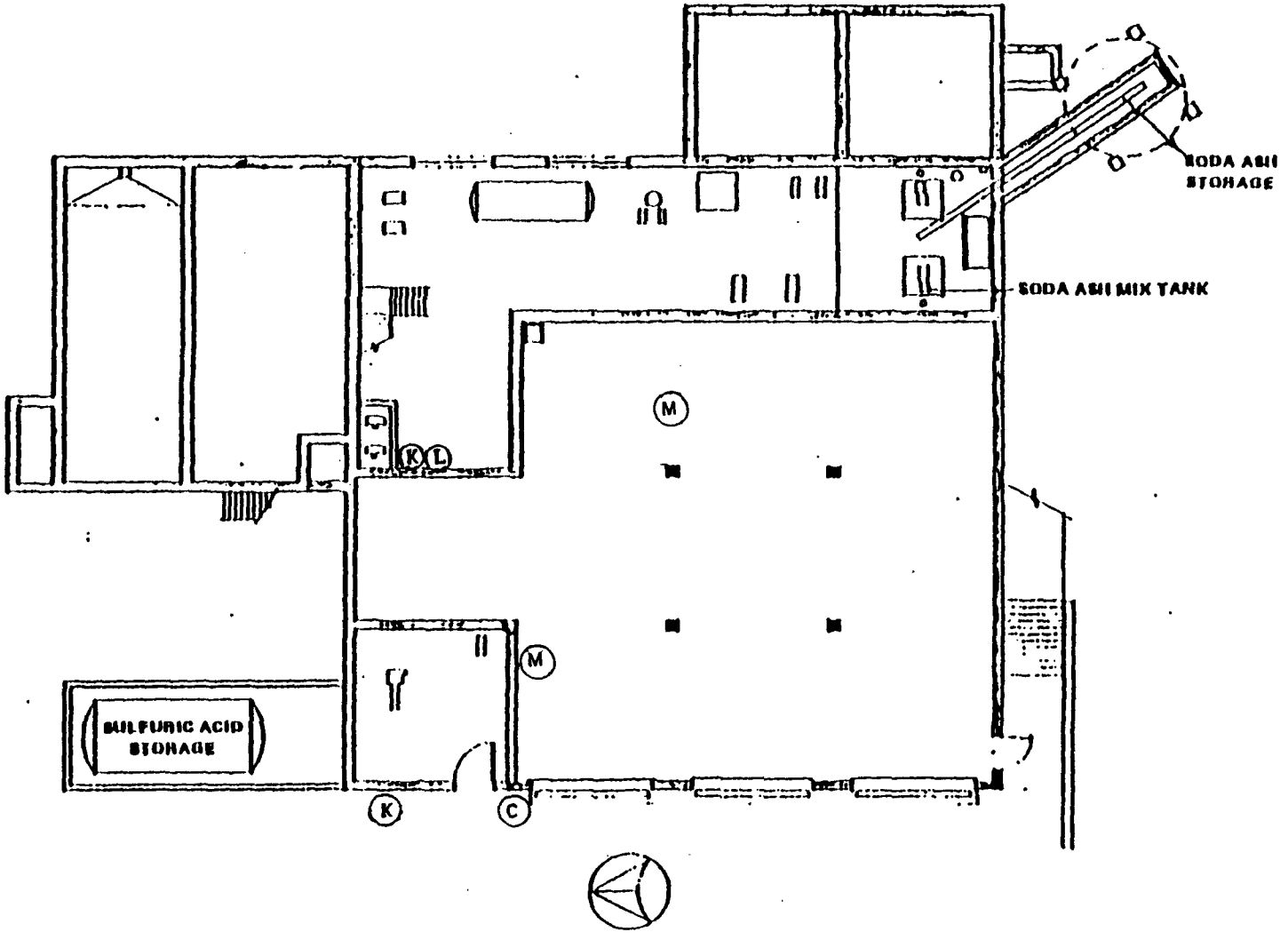


*Fire Hose

COLT ST. TREATMENT PLANT
MAIN LEVEL



COLT ST. TREATMENT PLANT
LOWER LEVEL



US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2571

Facility Name: Pratt & Whitney

Facility ID#: CTD990672081

Phase Classification: R-1B

Purpose of Target Sheet:

[X] Oversized (in Site File) [ ] Oversized (in Map Drawer)

[ ] Page(s) Missing (Please Specify Below)

[ ] Potential FOIA Exempt [ ] Other (Please Provide Purpose Below)

Description of Oversized Material, if applicable:

Figure 4: Spill Control & Emergency Response 11/12/1990

[X] Map [ ] Photograph [] Other (Please Specify Below)

* Please Contact the EPA New England RCRA Records Center to View This Document *

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2571

Facility Name: Pratt & Whitney

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Phase Classification: R-1B

Purpose of Target Sheet:

[X] Oversized (in Site File) [ ] Oversized (in Map Drawer)

[ ] Page(s) Missing (Please Specify Below)

[ ] Potential FOIA Exempt [ ] Other (Please Provide Purpose Below)

Description of Oversized Material, if applicable:

Figure 5: Location of Less than 90 Days Storage Areas 9/5/1991

[X] Map [ ] Photograph [] Other (Please Specify Below)

* Please Contact the EPA New England RCRA Records Center to View This Document *

US EPA New England
RCRA Document Management System
Image Target Sheet

RDMS Document ID # 2571

Facility Name: Pratt & Whitney

Facility ID#: CTD990672081

Phase Classification: R-1B

Purpose of Target Sheet:

[X] Oversized (in Site File) [ ] Oversized (in Map Drawer)

[ ] Page(s) Missing (Please Specify Below)

[ ] Potential FOIA Exempt [ ] Other (Please Provide Purpose Below)

Description of Oversized Material, if applicable:

Figure 5: Location of Less than 90 Days Storage Areas 9/5/1991

[X] Map [ ] Photograph [] Other (Please Specify Below)

* Please Contact the EPA New England RCRA Records Center to View This Document *

SECTION G - PERSONNEL TRAINING

1. General

Owners and operators of hazardous waste treatment, storage and disposal facilities are required to provide hazardous waste management personnel with training in hazardous waste management and spill response procedures. A description of Pratt & Whitney's present personnel training program is contained herein. The program is currently being revamped to address all of the East Hartford Facility for all regulatory requirements related to hazardous materials/hazardous waste, one of which is RCRA. An overview of this anticipated program is provided in Part 3 of this section.

2. Training Program

Initial training is provided to new employees within their first six months on the job. In addition, employees who are transferred to a hazardous waste management position at the East Hartford facility will be re-trained within their first six months on the job. During this time, these employee are not allowed to perform duties related to hazardous waste without supervision. All trained personnel receive the annual refresher course.

Training records for current employees are kept on file at the facility until final closure. Training records of former employees are kept for a minimum of three years after the date on which the employee terminated work. These records include the employee's name and job title corresponding to the job descriptions presented herein.

The following is a curriculum outline of the initial training program that is provided to new employees or reassigned employees. This course is currently taught by an outside contractor. The outline for the annual refresher course given to all employees who have received initial training is also provided. Procedures are taught in a classroom setting.

a. Initial Training Course Outline

- Regulation Review
  - A. Pratt & Whitney Environmental Policy
  - B. Resource Conservation and Recovery Act (RCRA) Regulations, 40 CFR
  - C. Department of Transportation (DOT) Regulations 49 CFR
  - D. Connecticut State Environmental Protection Regulations
- Hazardous Waste Identification
  - A. Identification of Listed, Characteristic, Acutely Hazardous and Non-Hazardous Waste
  - B. New TCLP List
  - C. Hazardous Waste Generated at Pratt & Whitney
- Accumulation and Storage of Hazardous Waste
  - A. Storage requirements for hazardous waste and satellite accumulation areas.
  - B. Hazards associated with waste generated by Pratt & Whitney
  - C. Segregation of Incompatible Waste
  - D. Bonding and Grounding
  - E. Labeling
  - F. Inspection Records

- DOT Shipping Requirements
  - A. Packaging Requirements
  - B. Containers Used at Pratt & Whitney
  - C. Selecting a DOT Shipping Name
  - D. DOT Labels
  - E. EPA Container Markings
  - F. Placarding
- Uniform Hazardous Waste Manifest
  - A. Instructions for Properly Completing a Manifest
  - B. Filing Manifest Copies
- Land Ban Disposal Restrictions
  - A. Restriction Summary
  - B. Land Ban Materials
  - C. Notification of Restricted Waste
  - D. Treatment Standards for Pratt & Whitney Hazardous Waste
- Minimizing Hazardous Waste
  - A. Strategies to Reduce Quantity and Toxicity of Hazardous Waste.
  - B. Technologies Implemented at Pratt & Whitney Facilities
- Record Keeping and Reporting
  - A. Inspection Reports
  - B. Operating Logs
  - C. Manifests
  - D. Exception Reporting

E. Annual Reporting

F. Spill Reporting

° Contingency Plan

A. Purpose and Contents of Contingency Plan

B. Emergency Coordinator's Responsibilities

C. Incident Reporting

D. Communication and Alarm Systems at Various Pratt & Whitney Facilities

E. Evacuation Plans for Pratt & Whitney Facilities

° Emergency Response

A. Interpret information found in MSDS's, NFPA and HMIS labels

B. Selecting Personal Protective Clothing and Respirators.

C. Location and Use of Emergency Equipment

D. Emergency Response Procedures for Fires, Spills and Explosions

E. Preventative Measures

F. Notification Procedures

b. Annual Refresher Course Outline

The following is a curriculum outline of the annual refresher course. It is designed to re-emphasize the importance of proper waste management and spill response procedures while addressing new regulations and requirements.

° Regulation Update

° Hazardous Waste Identification

A. Identification of Listed, Characteristic, Acutely Hazardous, new TCLP List.

B. Hazardous Waste Generated at Pratt & Whitney Facilities.

° Labelling, Marking and Manifesting Hazardous Waste

A. Determining Proper DOT Shipping Name, Hazard Class and Identification Number.

B. Uniform Hazardous Waste Manifest.

C. Pratt & Whitney Internal Waste Manifest.

° Accumulation and Storage of Hazardous Waste

A. Requirements for Hazardous Waste Storage and Satellite Accumulation Areas.

B. Segregation of Hazardous Waste.

C. Selecting Proper DOT Container.

D. Drum Handling Techniques.

° Contingency Plan and Emergency Response

A. Description of Pratt & Whitney's Contingency Plan

B. Incident Reporting

C. Personal Protective Equipment and Respirator Selection.

D. Correct Use of Clean-Up Equipment.

E. Emergency Spill Procedures and Disposal Techniques.

3. Future Training Program

The training program is currently being revised to provide employees with a more comprehensive understanding of hazardous waste management and spill response procedures as they relate to

individual job duties and responsibilities. The new program will be applied to all personnel at the East Hartford Facility whether their duties involve hazardous waste or not. The program will address all regulatory requirements related to hazardous materials/hazardous wastes, including RCRA requirements.

The additional items in the new program include the following:

- An evaluation of each job function that involves hazardous waste will be performed to categorize job functions/titles into groups with similar exposures to hazardous waste and similar job duties. All job functions at P&W will be analyzed. A subset of these will be direct hazardous waste management related job functions. Tentatively, 35 job function categories have been established.
- Based on the exposure and job function requirements, a curriculum will be developed to match course content topics to training needs. At the present time 25 initial training courses and 4 refresher training courses are planned.
- Courses will be assigned to employees by utilizing the information from a job function/requirements/course title matrix.
- Documentation of the program will include:

  A) A description of each job function/category (i.e. exposure, duties and required training course titles for that category).

B) The job function/requirements/course titles matrix

C) Course description with outlines, delivery mechanisms and instructor qualifications.

D) Training recordkeeping procedures, documentation or automated tracking system. At the present time, an automated tracking system is planned which will include reminder notes issued to supervisors to aid in ensuring that all employees receive required training in a timely manner.

E) Training program review and update procedures.

F) Administrative/management organization for training review, delivery, recordkeeping responsibilities, including duties, qualifications etc. of personnel assigned to administer the training program.

The proposed changes in the training program are on-going. Due to the size of the East Hartford Plant and the scope of the training proposed, phased implementation is planned over a multi-year time frame.

4. Personnel Trained Under Current Program

Several groups of employees are trained under the current training program and will be retrained under the revised program after it is completed. These groups of employees include all individuals with hazardous waste management responsibilities at the facility including emergency response personnel. Detailed job descriptions of facility positions currently trained are included in Appendix G-1. The names of the specific individuals filling these positions is

maintained at the East Hartford facility. Because this list is continually being updated, it has not been included in this application.

a. Within the Environmental Protection Group the following have been trained:

	Job Code
Manager, Environmental & Construction	861
Manager, Facilities Engineering	30.10.50
Facilities Project Engineer	30.15.48
Sr. Facilities Engineer	30.15.46
Facilities Engineer	30.15.44
Engineering Associate	40.20.42

These individuals are responsible for the overall management of hazardous waste and facility environmental compliance. Their duties require that they maintain operating logs and ensure regulatory compliance. Recordkeeping responsibilities include monitoring records, inspection logs, personnel training records and other required records. These people also act as environmental compliance coordinators, have emergency response duties in coordination with the Incident Commanders, review regulations, and are involved in systems management.

NOTE:
The job titles included here are limited only to department 6563/6552 Environmental Protection Group. Other departments that have identical job titles are not included.

b. Foreman (Supervisor), manufacturing support or facility services (Job Code 185.13.92). Included are the Plant Engineering personnel that are responsible for the Concentrated Waste Treatment Plant and wastewater treatment plant on weekends and holidays. Duties involve responding to emergencies by implementing the Contingency Plan if necessary. Not all employees with this job title are assigned these duties.

c. All Waste Treatment Operators are trained. Their job titles and corresponding job codes are as follows:

	Job Code
Working Leader, Chemical Waste Treatment	1120.3
Plant Operator - B, Chemical Waste Treatment	707.3
Plant Operator, Chemical Waste Treatment	707.2

These personnel are involved in the Waste Treatment Plant operations, hazardous waste movement and storage. Specific duties are described in referenced job descriptions.

d. All waste storage and handling operators are trained. Their job title is Industrial Truck Operator (Job Code 134.4). These personnel are responsible for movement, storage and handling of hazardous waste in the oil yard. Their specific duties are described in the referenced job description.

e. The facilities emergency coordinators and alternate coordinators are also trained. These personnel have overall responsibility for Plant Engineering which has responsibility for hazardous waste management. Their duties as emergency coordinators are described in the Contingency Plan. The job titles and descriptions have been included in a through d above and f below.

f. Emergency response personnel at the facility will be also trained. These individuals can have Incident Commander duties, Fire Protection duties, including fires involving hazardous waste, and equipment inspection and emergency preparedness responsibilities. Their job titles and corresponding job codes are as follows:

	Job Code
Fire Protection Engineer	9319.2
Fire Chief	240.10.48
Fire Captain	240.10.46
Fire Lieutenant	240.10.44
Senior Equipment Services Technician	255.29.38
Plant Protection Communications Operator	906.8
Emergency Equipment Operator	905.6
Maintainer, Portable Fire Equipment/ Fire Fighter	905.3
Driver, Fire Apparatus	905.5
Plant Protection Officer	905.8

Not all employees with these job titles are assigned these duties.

5. Training Instructor

The current training courses are taught by an outside contractor who offers these services professionally. The specific individual(s) giving the training changes from time to time. In addition, the outside contractor hired for training is also subject to change. Consequently, the qualifications of the specific individual actually training employees cannot be provided. However, it is P&W's policy to only use individuals/contractors who are highly qualified and experienced in this type of training and who have a track record as effective educators.

APPENDIX G-1

JOB DESCRIPTIONS

PRATT & WHITNEY - U.T.C.
EXECUTIVE POSITION RECORD
GENERIC POSITION DESCRIPTION

Title/No.:	Director, Engineering Programs	/ 861.0	Level:	3
	Manager, Technology Modernization & Manufacturing Process Development	/ 861.1	OCC Group:	040
			Effective:	10/01/90
	Manager, Manufacturing Engineering Programs	/ 861.2		
	Manager, Facilities Engineering	/ 861.3		
	Manager, Engineering Programs	/ 861.4		
	Chief, Materials Engineering	/ 861.5		
	Chief, Technology Programs	/ 861.6		
	Project Manager	/ 861.7		
	Manager, Materials Engineering	/ 861.8		
	Chief Engineer	/ 861.9		
	Chief, Design Engineering	/ 1191.0		
	Manager, Research Engineering	/ 1191.1		

Basic Function:

Provide innovative leadership to an engineering unit or specialized support group within a major engineering unit; and, nurture the development of aggressive, creative strategies to achieve engineering objectives which have major impact on the Company. Establish a proactive posture to strengthen responsiveness to all customers; ensure functionally and cost effective products can be produced; and, achieve and maintain technological advantage over our competitors. Accomplish commonality initiatives within Pratt & Whitney and UTC; and, establish and achieve aggressive cost reduction and asset anagement strategies. Promote team building, effective communications and develop an efficient organizational structure that is responsive to program requirements and changes.

Additional Required Duties:

- In all areas of responsibility involving direct and indirect contracting with the United States Government, the incumbent of this position is responsible to provide full compliance with the "United Technologies Corporation Policy Statement on Contracting with the United States Government", including ensuring subordinate staff are aware of the UTC Policy and their individual responsibility and accountability for their own actions in complying with this policy.

- Direct the application of the Company's Equal Employment Opportunity Policy and the implementation of effective affirmative action to ensure attainment of the goals and objectives of the facility.

- May serve as an individual contributor or project leader in specific critical areas.

- Responsible for the completion of specific goals, objectives and tasks related to this position as assigned by cognizant management.

Approvals: _____

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTIONS

JOB TITLE: Manager, Facilities Engineering JOB CODE: 030.10.50

EXEMPTION STATUS: Executive

BASIC FUNCTION: Responsible for the planning and management of the design, construction, maintenance and modification of facilities, equipment, test structures and customer support equipment, including the awareness of related environmental controls and conformance to all building codes and regulations.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- o Establish goals, manage and lead the design, construction and renovation of plant facilities and equipment, assuring all construction plans and work are in conformance with applicable local, state and federal requirements and regulations.
- o Lead the design and fabrication of test facilities and support equipment to meet new and revised engine test programs, investigating new methods, materials and techniques to ensure lower costs.
- o Institute facility modernization programs and ensure controlled use of energy.
- o Specify all operating procedures so that testing may be conducted to fulfill engine and component development requirements.
- o Responsible for the completion of key job requirements and other tasks related to this position as assigned by cognizant management.
- o See reverse side for remaining Duties and Responsibilities.

TYPICAL QUALIFICATIONS: Bachelor's degree in a related field plus appropriate experience, or equivalent qualifications.

DOCUMENT #: 030105089

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Facilities Project Engineer JOB CODE: 030.15.48

EXEMPTION STATUS: Professional

BASIC FUNCTION: Responsible for planning, conducting and coordinating the design, construction, maintenance and modification of facilities, equipment and test structures, considering costs, time, program schedule and projected test requirements. Work closely with management and/or customers in defining objectives.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Plan and conduct the most complex work involving the design, construction, maintenance and modification of facilities, equipment and test structure.
- Initiate procurement request, work with and advise Purchasing and Division Counsel concerning bids, selecting contractor, procuring equipment and providing technical assistance.
- Provide technical direction and/or engineering solutions on environmental issues.
- May assign work to others and establish quality standards for phases of work.
- Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.

TYPICAL QUALIFICATIONS: Bachelor's degree in related field plus appropriate experience, or equivalent qualifications.

DOCUMENT #: 030154889

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Senior Facilities Engineer JOB CODE: 030.15.46

EXEMPTION STATUS: Professional

BASIC FUNCTION: Plan and carry out a variety of activities associated with the design, construction, maintenance and modification of facilities, equipment, test structures and customer support equipment. Work closely with management and/or customer in defining objectives.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Investigate requests, analyze technical requirements, determine design and specifications and provide cost estimates for the more difficult construction and modification projects.

- Plan, schedule, and coordinate the procurement of necessary material. Contact vendors concerning availability of equipment and discuss technical details and requirements of project. Consider incorporation of any new developments or process.

- Maintain constant reviews, analyze operational difficulties and plan necessary changes, discussing with superior any unusual conditions and possible methods of correction.

  Oversee preparation of various records and reports generated by group.

- Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.

TYPICAL QUALIFICATIONS: Bachelor's degree in related field plus 3-5 years experience or equivalent qualifications.

DOCUMENT #: 030154689

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Facilities Engineer JOB CODE: 030.15.44

EXEMPTION STATUS: Professional

BASIC FUNCTION: Plan and carry out a variety of activities concerning the design, construction, maintenance and modification of facilities, equipment, test structures and customer support equipment. Work closely with management and/or customer to define objectives.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Plan and perform activities concerning work with facilities, equipment and test structures.
- Study requirements in terms of function, performance, overall dimensions, costs, and safety of operation to determine most satisfactory methods to accomplish objectives.
- Develop basically new designs, as directed, or work out modifications or improvements.
- Assist senior members of group with segments of complex projects in accordance with specific instructions.

Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.

TYPICAL QUALIFICATIONS: Bachelor's degree in related field plus 1-3 years experience or equivalent qualifications.

DOCUMENT #: 030154489

1989

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Engineering Associate JOB CODE: 040.20.42

EXEMPTION STATUS: Professional

BASIC FUNCTION: Perform increasingly complex duties to carry out assignments while functioning within specific sections of a major unit.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Work on a variety of assignments to develop specific skill areas and to enhance understanding of overall function of the unit.
- Conduct studies, prepare analyses to produce the most satisfactory resolution to problems and prepare reports covering results of investigation.
- Participate in and perform a variety of special assignments to gain exposure and familiarity with all aspects of the unit.
- Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.

TYPICAL QUALIFICATIONS: Bachelor's degree in related field or equivalent qualifications.

DOCUMENT #: 040204289

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Foreman (Supervisor), Manufacturing Support or Facilities Services

JOB CODE: 185.13.92

EXEMPTION STATUS: Administrative

BASIC FUNCTION: Directly supervises generally skilled hourly employees performing work related to the fabrication of tools, dies, or gages or the construction, maintenance, or repair of facilities or equipment. Performs administrative functions with respect to established policies, procedures, and methods to maintain disciplinary and technical control in terms of quality, costs, quantity, processes and materials involved.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Establish effective work schedules for assigned areas considering customer requirements, priority issues, and human and equipment resource availability. Insure prompt and economical receipt of needed materials and supplies, and on-time delivery of finished products or services to customers.
- Stay abreast of new developments and available technology in field of responsibility. Continuously review materials, equipment and processing methods used and evaluate the feasibility of modifying, replacing or modernizing capital resources to reduce costs or improve quality.
- Work with and coordinate the local activities of various support organizations to ensure department equipment is properly maintained, employees are adequately trained and work in the safest possible environment, and labor relations activities are handled in a fair and equitable manner for both the Company and employees.
- Utilize all available measuring techniques to evaluate the departments performance relative to the product or service provided to customers. Recommend alternative methods of providing high quality products and/or services at the lowest cost to improve the departments competitive position and profitability.
- Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.
- See reverse side for remaining Duties and Responsibilities.

TYPICAL QUALIFICATIONS: Apprenticeship or technical school training with 6-8 years shop experience or equivalent relevant experience.

HOURLY JOB DESCRIPTION
PRATT & WHITNEY AIRCRAFT

Job Title: WORKING LEADER, CHEMICAL WASTE TREATMENT **Dept.** 26 **Grade:** 3 **Job Code:** 1120.3

Duties: **U.S.E.S. Code:** _____ **P.W.A. Occ. Group:** 904

Assign and check work, instruct and perform same work as a group performing a variety of duties to process or store concentrated waste chemicals, waste oils, contaminated process water and other waste materials that are hazardous to the environment.

Plan and assign work to operators in accordance with general instructions of supervisor to meet changing priorities and maintain an even flow of work to optimize productivity. Instruct group regarding work requirements and methods, proper operating and checking procedures, safe working practices, use and care of the equipment and good housekeeping methods. Follow-up progress of work to assure compliance to procedures and methods, that instructions are understood and being carried out, and that quality standards are maintained. Assist operators with problems encountered in their work such as, malfunctioning equipment, difficulty in processing wastes, proper storage and labeling requirements, and changes in environmental rules and regulations. Confer with leaders of other shifts concerning status of work in process, unusual problems and changed requirements.

Work from generally defined procedures and Department of Environmental Protection regulations to oversee work of the group and make sure regulations concerning storage, labeling, sampling and processing meet standards. Monitor information from automated processing system which controls the continuous flow waste processing system to spot trends that indicate impending problems. Change operating parameters in the program to prevent conditions which could cause processed waste to exceed limits. Review waste materials shipped from other plants to make sure wastes, that can not be properly disposed of, are not accepted for storage. Take samples of questionable material and perform routine tests to determine contents or send samples to laboratory for more extensive testing. Work with small amounts of wastes to devise and improve methods for treating wastes where the method of treatment and chemicals used have been generally defined. Periodically take inventory of materials used to process wastes and notify supervisor when materials should be reordered. Check equipment such as pipes, pumps and tank liners for potential problems, and direct the work, and work with, the group to make minor repairs or notify supervisor when extensive repairs are required. Provide direction in case of emergency such as when leaks occur in chlorine or sulfur dioxide systems to clear the area, stop the flow, and locate leaks.

Job Title: WORKING LEADER, CHEMICAL WASTE TREATMENT Dept: 26 Grade: 3 Job Code: 117 3

FACTOR	SUBSTANTIATING DATA-HOURLY JOB RATING	DEG. PTS.
Education	Requires knowledge of basic chemistry, including chemical reactions, oxidation and reduction processes, acid-base reactions, and chemical symbols. Must be able to read schematic drawings, technical material, and flowmeters, pressure gages, and similar instruments.	3-42
Experience	3-4 years.	4-88
Initiative and Ingenuity	Under direction of immediate supervisor, follow standard practices and procedures to assign and check work, instruct and work with a group processing chemical wastes. Exercise judgement in planning work assignments to maintain an even flow of work, optimize productivity and assign work to individuals with their capabilities and requirements of the job. Make decisions in accepting wastes, monitoring trends and modifying program parameters in computerized system.	3-42
Physical Demand	Majority of time spent maintaining work flow, instructing group and checking work which requires light physical effort. Occasionally exert considerable effort for short periods to move heavy containers of waste or chemicals.	2-20
Mental or Visual Demand	Continuous mental and visual attention required to assign and check work, instruct employees, maintain work flow and perform same work as the group.	3-15
Responsibility Equip. & Process	Failure to instruct individuals in proper method of processing waste or transferring waste material through lines not designed to handle them, may result in damage to pipes, pumps, valves and other equipment. Probable damage would seldom exceed $250.	3-15
Responsibility Material & Prod.	Errors in accepting waste or assuring treatment is proper may require additional treatment. Probable loss would seldom exceed $100.	2-10
Responsibility Safety of Others	Failure to instruct group in safe work methods may cause violent reactions and result in disabling injuries to others.	4-20
Responsibility Work of Others	Responsible for assigning, instructing and checking work of a group of seldom over 10 employees.	3-15
Working Conditions	Exposed to odors in varying degrees from wastes and intermittently to heat and chemical dust. Work out of doors majority of time with exposure to prevailing weather conditions.	3-30
Unavoidable Hazards	Disabling injuries from leaks in piping and associated equipment, and from accidents involving treatment of wastes.	4-20

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PHA Form 7 Rev. 1/63 (Back)

HOURLY JOB DESCRIPTION

PRATT & WHITNEY AIRCRAFT GROUP

Job Title: CHEMICAL WASTE TREATMENT PLANT OPERATOR - B Dept: 26 Grade: 7 Job Code: 707.3

Duties: U.S.E.S. Code: P.W.A. Occ. Group: 904

Treat waste chemicals and oils following normal processing procedures to neutralize and dispose of them safely and pick up waste chemicals and deliver them to treatment plant. Rotate between each type of work on a regular schedule.

Follow procedures and specific instructions in processing a wide variety of wastes. Prepare lime slurries, ferric sulphate solutions and similar neutralizers by mixing powdered chemicals and water. Set up valves in various lines, and pump wastes from storage to processing tanks. Dilute acids as required to keep reaction temperatures low during processing. Open valves in agitating air and cooling water lines, start circulating pump and agitator motors, start the flow of neutralizers and set the flow rate as prescribed. Monitor the treatment and periodically test samples of the batch to determine when each stage of the process has been reached. Start flow of additional neutralizers and continue testing samples until wastes have been made harmless. Pump treated wastes to settling beds to dry, or transfer oils to other tanks for further processing.

Pump treated water-soluble and other waste oils into heated settling tanks to remove moisture and solids and otherwise prepare them for centrifuging. Pump oil across shaker table, through filters and centrifuge to remove more water and solids, and to the powerhouse to be burned.

Operate a fork lift truck to pickup acids, cyanides and other chemical wastes and deliver them to treatment plant for processing. Set up portable pump, transfer wastes from processing to transporter tank and fill out forms to identify the type and strength of the chemicals. Be alert to detect evidence of unusual chemical reactions and remove the material from the building as quickly as possible. Disassemble and clean centrifuge, replace filters, unload trucks and store lime and other material used in treating wastes. Keep records on the type and amount of wastes treated. As instructed, assist in repairing equipment and perform other similar work.

Refer difficulties encountered in treating wastes and performing other work to higher grade operator or Group Leader.

May assist in any type of maintenance and construction work as required.

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Experience	6 - 12 months.	2-44
Initiative and Ingenuity	Under direction of Group Leader, Chemical Waste Disposal Plant, follow standard procedures in performing repetitive work. Exercise care in setting up valves in lines to transfer wastes to processing tanks, setting flow rate of neutralizers, and in cleaning equipment. Make decisions in testing samples and determining whether treatment is progressing satisfactorily.	2-28
Physical Demand	Most of work involves monitoring processes, testing samples, opening and closing valves which requires light effort. Occasionally exert considerable effort for short periods in handling heavy bags of chemicals.	2-20
Mental or Visual Demand	Continuous mental and visual attention required in setting up valves in lines, monitoring processes, testing samples, and reading gages and meters. Constant alertness required to detect unusual chemical reactions and conditions that should be called to attention of others.	3-15
Responsibility Equip. & Process	Failure to detect excessive reaction temperatures in processing tanks may result in damage to tank linings. Errors in pumping materials through lines not designed to handle them may result in damage to pipes, pumps, valves and other equipment. Probable damage would seldom exceed $250.	3-15
Responsibility Material & Prod.	Probable loss in processing waste materials would be negligible.	1- 5
Responsibility Safety of Others	Failure to take action promptly when chemical reactions take place or carelessness in driving fork lift truck loaded with chemicals may result in severe injuries to others.	4-20
Responsibility Work of Others	Responsible only for own work.	1- 5
Working Conditions	Exposed to odors in varying degrees from wastes and intermittently to heat and chemical dust. Work out of doors majority of time with exposure to prevailing weather conditions.	3-30
Unavoidable Hazards	Severe chemical burns from leaks in piping and associated equipment, and from accidents involving treatment of wastes.	4-20
		Total Points 230

PWA F 78 Rev. 1-63

HOURLY JOB DESCRIPTION

PRATT & WHITNEY AIRCRAFT

Job Title: CHEMICAL WASTE TREATMENT PLANT OPERATOR Dept: 26 Grade: 5 Job Code: 707.2

Duties: U.S.E.S. Code: P.W.A. Occ. Group: 904

Treat concentrated waste chemicals, waste oils, contaminated rinse and other process water, and other waste material to neutralize pollutants and prepare materials for disposal.

Work from generally defined procedures in processing a wide variety of wastes. Check paper work accompanying incoming acids, alkalis and similar wastes to determine whether the type can be mixed with those already on hand, or whether they should be treated separately or used in treating other wastes. Dissolve dry chemicals in water or other wastes in receiving tank to prepare them for treatment. Be alert in dumping wastes into receiving tank to detect any indications of unforeseen reactions, and take action promptly to avoid accidents. Dilute strong acids to reduce hazards in processing or handling. Periodically test samples of treated wastes and continue adding chemicals until wastes have been rendered harmless. Periodically check flash point of oil in receiving tank and add higher flash point oils as required to prepare it for use as fuel.

Operate a fully automated, flow-through liquid waste treatment facility to remove contaminants from water used in industrial processes. Periodically test samples of treated water to make sure automatic sensing and control equipment is working properly. Mix chemical solutions used in the treatment of wastes, open clogged chemical feed lines, and perform other such work to keep the facilities running. At the pretreatment plant, where pollutants are neutralized, test samples of incoming wastes to detect unusually heavy concentrations of pollutants. Notify foreman of any that are found so a check of the area from which they are coming can be made for possible leaks or spills. At the Colt Street plant, where waste solids and oil are removed, test samples of incoming wastes to make sure pretreatment equipment is working properly. Monitor the process (flocculation) which removes solids, and test samples of clean water to make sure automatic equipment is holding pH at proper level. Operate vacuum filter to separate sludge from water and dry it.

Take action promptly in emergencies, such as when leaks occur in chlorine and sulphur dioxide systems, to clear the area, stop the flow and locate leaks. Make temporary repairs and notify proper repair group to have permanent repairs made. Replace valves, gaskets and short sections of pipe and tubing, and perform other similar types of repair work. Check linings on transport and processing tanks for evidence of cracks and other indications of deterioration. Remove debris from around oil skimmers on Willow Brook Pond, lubricate bearings and perform other preventive maintenance work on skimmers and dam, and adjust dam as necessary to control level of water in pond.

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Job Title: CHEMICAL WASTE TREATMENT PLANT OPERATOR Dept: 26 Grade: 5 Job Code: 707.2

FACTOR	SUBSTANTIATING DATA - HOURLY JOB RATING	Deg. Pts.
Education	Requires knowledge of basic chemistry, including chemical reactions, oxidation and reduction processes, acid-base reactions, and chemical symbols. Must be able to read schematic drawings, technical material, and flowmeters, pressure gages, and similar instruments.	3-42
Experience	2 - 3 years.	3-66
Initiative and Ingenuity	Under direction of foreman, follow standard practices in performing work of some complexity. Exercise judgment in determining whether to mix wastes, hold them to be treated separately, or to use them in treating other wastes. Make decisions concerning proper action to take in emergencies, and in determining what is causing unusual conditions.	3-42
Physical Demand	Most of work involves monitoring processes, testing samples, opening and closing valves which requires light effort. Occasionally exert considerable effort for short periods in handling heavy bags of chemicals.	2-20
Mental or Visual Demand	Continuous mental and visual attention required in setting up valves in lines, monitoring processes, testing samples, and reading gages and meters. Constant alertness required to detect unusual chemical reactions and take prompt action.	3-15
Responsibility Equip. & Process	Failure to detect excessive reaction temperatures in processing tanks may result in damage to tank linings. Errors in pumping material through lines not designed to handle them may result in damage to pipes, pumps, valves and other equipment. Probable damage would seldom exceed $250.	3-15
Responsibility Material & Prod.	Probable loss in processing waste material would be negligible.	1- 5
Responsibility Safety of Others	Errors in mixing strong solutions in receiving tanks may cause violent reactions and result in severe chemical burns to others.	4-20
Responsibility Work of Others	Responsible only for own work.	1- 5
Working Conditions	Exposed to odors in varying degrees from wastes and intermittently to heat and chemical dust. Work out of doors majority of time with exposure to prevailing weather conditions.	3-30
Unavoidable Hazards	Disabling injuries from leaks in piping and associated equipment, and from accidents involving treatment of wastes.	4-20

Total Points 280

HOURLY JOB DESCRIPTION
PRATT & WHITNEY AIRCRAFT

Job Title: **INDUSTRIAL TRUCK OPERATOR** Dept. 32 Grade: 8 Job Code: 134.4

Duties: U.S.E.S. Code: _____ P.W.A. Occ. Group: 800

Receive and store in an outlying area drums of industrial liquids, and deliver orders to shop departments, oil distribution centers and reclamation crib where the work requires operating both industrial and outside trucks, and individuals are rotated between inside and outside assignments on a regular schedule.

Receive drums of material at outlying storage yard and make sure that it is what the accompanying paper work calls for. Notify Leader of any discrepancies found. Operate industrial truck to unload incoming material and store in yard, racks or shed in accordance with accepted practice of using oldest material first. Segregate material that requires laboratory approval until it has been found acceptable. Fill empty drums from bulk storage tanks, attaching grounding cables to drum and storage tank or other container before pumping volatile fluids. Load materials on truck, deliver to receiving area or other destination, and obtain signature on paper work for material delivered. Pick up empty drums, and barrels and tanks of waste liquid, including pyrophoric and other hazardous materials, check tags attached to containers to see what material is in them, and deliver to proper area assigned for storing the material.

Check stacks for leaky drums, vent drums periodically, assist in taking periodic inventory by counting material on hand, stencil identification markings on drums, take samples for laboratory analysis and perform other similar tasks as required. Occasionally drain, clean, and service degreaser tanks as emergency calls are received.

Refer unusual or recurring problems to Working Leader.

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Job Title: **INDUSTRIAL TRUCK OPERATOR** Dept: 32 Grade: 8 Job Code: 134.4

FACTOR	SUBSTANTIATING DATA - HOURLY JOB RATING	DEG. PTS.
Education	Requires ability to understand and work from information pertaining to the safe method of trucking hazardous industrial liquids and other instructions pertaining to the identification and delivery of materials, and to add and subtract to assist in taking inventories and to check counts against paper work.	1-14
Experience	2 - 3 months.	1-22
Initiative and Ingenuity	Under direction of Working Leader, Industrial Liquids Storage and Distribution, follow detailed instructions in operating industrial and outside trucks to carry out a variety of trucking assignments. Exercise care in following safety regulations, operating truck through narrow aisles, crowded areas and over the road, in stacking drums and in checking loads against paper work.	2-28
Physical Demand	Most of time spent operating trucks which requires moderate effort. Tip and roll heavy drums which requires strenuous effort for short periods.	3-30
Mental or Visual Demand	Continuous mental and visual attention required to drive trucks, load, unload, stack and deliver drums to correct location, and check loads against accompanying paper work.	3-15
Responsibility Equip. & Process	Carelessness in operating trucks may cause damage to drive train, or cause collision and result in damage to vehicle. Probable damage would seldom exceed $200.	3-15
Responsibility Material & Prod.	Carelessness in loading drums, or improper tightening of caps, may cause spilling of liquids and result in waste. Filling supply trucks with incorrect oil may cause contamination and result in waste. Probable loss would seldom exceed $60.	2-10
Responsibility Safety of Others	Carelessness in driving trucks may cause accidents and result in permanently disabling injuries to others.	4-20
Responsibility Work of Others	Responsible only for own work.	1- 5
Working Conditions	Most of time spent in outside storage area with exposure to prevailing weather conditions. Hands and clothing become oily and dirty from working with drums of industrial liquids.	3-30
Unavoidable Hazards	Severe injuries from accidents involving heavy drums.	4-20

TOTAL POINTS 209

747-8882

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PRATT & WHITNEY
Manufacturing Division

SALARY JOB DESCRIPTION

Job Title: FIRE PROTECTION ENGINEER c125 Job Code: ~~9919.2~~ Level: ~~48~~

Exemption Status: Professional Dept: 01-~~5309~~ Occ: 0~~4~~ Rev: 1

Summary of Duties

Review new or proposed equipment, processes, facilities or layouts, planning methods, equipment or systems to provide effective protection against unusual hazards; plan and monitor programs for protection of personnel and property from fire, explosions, and related perils, and coordinate fire protection and prevention programs for all plants and facilities of Manufacturing, Commercial Products, and Engineering Divisions and International Support Systems. On request, provide consulting services to other divisions of the Corporation.

Duties

* Provide complete consultation service on new facilities beginning at the concept stage, working with architectural and engineering firms on all phases of a plan including acceptance testing of all fire protection equipment and systems.

* Evaluate proposed materials and methods of construction, interior finish, and storage configurations, especially with respect to plastics, high piled rack storage and other high challenge fire hazards advising of any potential problems, recommending safer alternate methods as appropriate.

* Inspect all facilities periodically and hotels, motels, conference centers prior to Company off-site functions to determine compliance with appropriate procedures, standards, codes and guidelines; discussing problems with supervision and aiding in the resolution of problems encountered.

* Investigate fires, explosions and related perils and analyze loss data to develop detailed recommendations and/or programs to minimize or prevent subsequent loss. Investigate impairments to fire protection systems and formulate temporary protection schemes, if necessary, to allow continued production. Expedite restoration of protection

* Interpret federal, state and local laws, codes, OSHA and other standards related to fire prevention and protection, assuring compliance with Corporate fire protection guidelines and all applicable standards with respect to fire protection, egress, fire brigades, cutting and welding, electricity, explosive storage, and hazardous materials.

* Maintain close liaison with AFPRO Safety Manager and AFCMO Chief of Fire Protection to assure, with prudence, compliance with Air Force contract requirements as they pertain to fire protection. Evaluate Air Force deficiency reports and prepare action plans for compliance when needed.

* Participate in the development of national consensus fire protection standards, regulations, and laws with the best interests of the Company in mind. Propose revisions that may benefit the Company and work with the Corporate Manager of Fire Protection in formulation and revision of Corporate fire protection policy and guidance.

* Serve as Fire Protection Coordinator for Manufacturing, Commercial Products, and Engineering Divisions in disseminating and interpreting technical and educational materials for appropriate managers, Fire Department personnel, and the division Insurance Coordinator.

* Act as a consultant and expert witness for other divisions of the Corporation offering advice and recommending action for the resolution of complex fire protection issues.

* Provide technical support to Corporate flight operations with respect to aircraft crash/fire/rescue operations, fuel management, and hangar fire protection.

* Remain cognizant of the state-of-the-art in fire protection methods, equipment and systems and the latest research. Apply new data and developments in a cost effective manner to improve degree of fire protection and/or reduce costs.

EDUCATION: Requires knowledge of technical engineering principles including physics, chemistry, electricity, hydraulics, fluid mechanics and thermodynamics. Familiarity with fire protection methods and equipment, national codes and fire insurance practices, and OSHA standards and codes pertaining to fire hazards. Requires a bachelor of Science degree in Engineering, preferably with a major in Fire Protection Engineering.

EXPERIENCE: 6-7 years.

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Fire Event

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Supervisor, Protective Services JOB CODE: 240.10.44

EXEMPTION STATUS: Executive 62 44

BASIC FUNCTION: Supervise an assigned program function such as fire prevention and protection, and plant and employee protection.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Supervise fire prevention and fire fighting activities including operation of equipment and monitoring of installation, alteration, repair, and testing of built-in fire protection equipment.
- Supervise the protection of Company property and personnel, enforcement of rules, traffic control, and unlawful interference with Company activities.
- Interface with related groups to ensure appropriate coordination of activities and enhance the effectiveness of the security programs.
- Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.
- See reverse side for remaining Duties and Responsibilities.

TYPICAL QUALIFICATIONS: 2 years of college in a related field plus 5-7 years experience, or equivalent qualifications.

DOCUMENT #: 240104488

Technicians

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Senior Equipment Services Technician JOB CODE: 255.25.38

EXEMPTION STATUS: Nonexempt 39

BASIC FUNCTION: Perform a wide variety of the more complex technical duties to diagnose, repair, calibrate, modify and maintain a wide variety of equipment.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Work from equipment drawings, schematics, diagrams, manuals or written and verbal instructions to set up, operate, test, diagnose and repair equipment. Make mechanical and/or electrical modifications as required. Assist in the determination of quality requirements.
- Schedule and perform preventive maintenance to ensure maximum operating efficiency. Analyze and investigate factors involved in machine wear. Work with appropriate groups as required to find solutions to maintenance problems and to facilitate timely and effective scheduling. Set up procedures, specifications, special devices and hookups.
- Maintain inventory and maintenance records and storage of department equipment. Order replacement parts and maintain a spare parts inventory. Prepare reports on impaired equipment, recommending action to prevent or control future problems.
- Keep abreast of all supplier data concerning maintenance, repair and use of equipment, and new developments in equipment and technology. Recommend use of supplier repair services when necessary. May assist in directing the activities of subordinate technicians.
- Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.

TYPICAL QUALIFICATIONS: 2 years of technical college or 4 years apprenticeship in a related field plus 3-5 years experience, or equivalent qualifications.

DOCUMENT #: 288253988

Fire chief

PRATT & WHITNEY, U.T.C. - SALARIED JOB DESCRIPTION

JOB TITLE: Supervisor, Protective Services JOB CODE: 240.10.49

EXEMPTION STATUS: Executive 62 48 chief

BASIC FUNCTION: Provide general supervision over a major aspect of security programs such as the security force, fire department, security compliance and investigation, or fire protection engineering. Supervise more than one activity depending on size of the organization.

Typical Duties/Responsibilities may include, but are not limited to, the following:

- Direct, through subordinate supervisors, activities of security personnel engaged in fire prevention and fire fighting including installation, alteration, repair, and testing of fire protection equipment.
- Direct, through subordinate supervisors, activities of security personnel in the protection of property and personnel, traffic control, and prevention of unlawful interference with company activities.
- Direct employees engaged in ensuring compliance with government security regulations regarding classified document control, employee security clearances, restricted and controlled areas, special access programs, and personnel background investigations.
- Plan and implement training of protective services employees and maintain effective relations with local and state law enforcement and fire protection officials.
- Responsible for the completion of Key Job Requirements and other tasks related to this position as assigned by cognizant management.
- See reverse side for remaining Duties and Responsibilities.

TYPICAL QUALIFICATIONS: 2 years of college in a related field plus appropriate experience, or equivalent qualifications.

DOCUMENT #: 240104068

PRATT & WHITNEY
Manufacturing Division

Fire Captain

Initials					
Date					

SALARY JOB DESCRIPTION

Job Title: FIRE SERVICE SYSTEMS ADMINISTRATOR Job Code: 2/C.10.46 Level: 46

Exemption Status: Administrative Dept: 01-5220 Occ: 440 Rev: 1

Summary of Duties

Responsible for the planning, installation and maintenance of all permanent fire service systems for all Connecticut Plants. Investigate and resolve problems associated with related systems.

Duties

* Investigate the effect of new construction or changes to existing structures of phases of permanent fire service systems. Participate in discussions with management, Fire Protection Engineer, outside contractors and Company service departments such as Plant Engineering to determine the most effective selection placement of fire prevention devices.

* Work closely with outside contractors, to effect an efficient and cost effective installation of new fire service systems and new applications for existing ones, ensuring that all facets of the system are in sync with planned coverage.

* Investigate the triggering of the computerized or any other alarm systems in the Company, analyzing data generated and determine the cause of the problem. Arrange for the correction of the cause of the alarm response.

* Direct the continuous monitoring and maintenance of permanent fire service systems by technicians and ensure that data entered into the computerized system is accurate and meaningful.

* Maintain close relationships with other Company fire professional, the State Fire Commission and other appropriate fire officials in matters of mutual interest.

* Evaluate performance and make effective recommendations regarding the status of those supervised, applying the Corporate Equal Employment Opportunity Policy and implement effective affirmative action to aid the attainment of the goals and objectives of the facility.

* Be cognizant of the latest materials, techniques, equipment and hazards pertaining to the field of firefighting, hazmat response and fire prevention through reading of fire journals, periodicals, fire reports and attending various outside courses, seminars and State Fire Instructors informational meetings when appropriate.

* Supervise firefighting shift functions when required, responding to fire, aircraft crash/rescue, hazard material issues and other emergency alarms.

Education:

HOURLY JOB DESCRIPTION
PRATT & WHITNEY AIRCRAFT

Job Title: PLANT PROTECTION COMMUNICATIONS OPERATOR **Dept.** 77, 78 **Grade:** 6 **Job Code:** 906.8

Duties: **U.S.E.S. Code:** _____ **P.W.A. Occ. Group:** 860

Monitor and operate a centralized security or fire alarm system and associated network.

When in Security enter data into and regulate the electronically monitored identification badge-key control system which permits, through microprocessing equipment, authorized personnel access to specific locations. Observe video monitors for activity in areas covered and make decisions of accessibility for persons entering the areas who do not have a badge-key. Operate a central communications base station through which messages of a routine and emergency nature are transmitted over the industrial security radio and paging network to mobile and fixed guard locations, airport control tower, and fire and medical units. Monitor radio transmissions of and communicate with local and state police departments. As directed, dispatch emergency response units; contact key plant management and make specialized announcements over the internal public address system. Operate and monitor TTY equipment designed to provide a teletype communications system between deaf employees and their families at home. Arrange for these employees to use this system when necessary.

When in Fire Department enter data, monitor computerized fire alarm, fire detection, suppression and surveillance systems. Operate a central base system through which messages of a routine and emergency nature are transmitted *and/or are received from Plant Protection personnel, employees, medical and airport operations.* Operate the Pratt & Whitney emergency phone system, determine the nature and location of the emergency and transmit messages to medical, security and other emergency personnel in a manner that will assure a quick and accurate response of the appropriate people. Monitor and interpret messages from computerized fire alarm, detection and surveillance system. Perform periodic status check to determine if equipment is functioning properly and notify proper people if malfunctions are detected. Dispatch appropriate personnel, vehicles and equipment to all fires, water system breaks, hazardous material responses, airport emergencies and medical responses. Monitor and operate mutual aid communications base stations, other local fire fighting units, and airport ground control station.

When in either location maintain various records associated with the operation such as radio transmission logs, open flame permits, parking and traffic violations on Company property and employee car registration.

Must be astute in handling of terrorists calls, bomb threats, calls from V.I.P.'s and other sensitive phone calls,

AUG 29 '91 09:40AM PW FIRE HDQTS

2-P.359

HOURLY JOB DESCRIPTION
PRATT & WHITNEY AIRCRAFT GROUP

Job Title: EMERGENCY EQUIPMENT OPERATOR Dept. 78 Grade: 6 Job Code: 905.6

Duties: U.S.E.S. Code: P.W.A. Occ. Group: 861

Drive and operate and service fire-fighting apparatus, ambulance and related equipment. Perform emergency medical treatment on employees and other persons. Perform a variety of cleaning, testing and painting assignments at Fire Headquarters.

Drive fire apparatus to scene of fire; position as directed and operate motorized pumps and valves to furnish and maintain pressures required to supply all streams and sprays in use and ready for use. Operate valves to provide proper mixture for foam and to distribute pressure to throw streams distance required. Drive ambulance to and from scene of emergency carrying injured or ill persons. Keep all vehicles and equipment clean, polished, filled and fully equipped with extinguishers, hand tools, all types of ambulance equipment and supplies, and personal equipment and serviced for immediate use. Service and clean apparatus after fire or drill. Purge all lines, refill tanks and put apparatus in readiness. Wash, wax and polish ambulance and apparatus, clean motors and interiors. Perform service check regularly, including batteries, starters, generators, special electrical and mechanical equipment, pumps, gas and oil. Remove and replace hoses on apparatus regularly. Recommend overhaul or repair of apparatus as indicated. Clean, repair and recondition portable fire equipment. Disassemble extinguishers and other equipment, for cleaning or painting. Remove corrosion from brass and copper extinguishers with steel wool, and paint or polish equipment. Hydrostatically test extinguisher tanks, mark date of test on tank and maintain records on all hydrostatic testing.

When emergency medical call is received, drive or ride Company ambulance to the scene or the Medical Department. Utilize necessary emergency medical techniques as applicable to satisfy immediate need taking precautions to prevent further injury or illness. Evaluate the extend and type of medical problem involving any of several critical areas and perform necessary diagnostic tests. Select proper emergency equipment and use conventional or devise alternate methods to aid patient. Question patient to determine any pertinent medical history or problems that might not be obvious. Attempt to calm patient if emotionally upset and be alert for the holding back of important information or lying out of fear. When transporting to a hospital remain constantly alert for any changes in the patient's condition and act accordingly. Be prepared at all times for a disaster call such as an airplane crash at the airport with several casualties and be aware of priority procedures to follow. In the case of multiple casualties, determine priorities according to seriousness of the injury and administer appropriate emergency medical treatment.

Keep Fire Headquarters clean. Perform fire-fighter duties as needed and miscellaneous cleaning, painting or clerical assignments at headquarters.

cs/2
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HOURLY JOB DESCRIPTION
PRATT & WHITNEY AIRCRAFT GROUP

Job Title: MAINTAINER, PORTABLE FIRE EQUIPMENT/FIREFIGHTER Dept. 78, 2078, 3078, 4078 Grade: 7 Job Code: 905.3

Duties: U.S.E.S. Code: P.W.A. Occ. Group: 861

Inspect, maintain and service permanent Cardox or CO_2 fire protection systems, and inspect, maintain and service all portable extinguishers and fire protection equipment throughout the plant and outlying facilities.

Perform daily inspection and test of Cardox or CO_2 units which pipe CO_2 under pressure and/or refrigeration through test houses; checking pressure and refrigeration gages on units and proper functioning of alarm bells. Inspect all portable fire equipment regularly, and maintain record of location of all portable equipment.

Recharge all CO_2 extinguishers, commercial CO_2 units and transitanks. Use an electric truck within plant and drive a pick-up truck outside to transport cylinders to be charged to and from main charging crib. Weigh empty cylinder and compute correct charged weight, converting decimals or fractions of pounds to ounces. Connect hoses, tighten connections with heavy wrenches and open valves to fill cylinder from supply tank. As pressure equalizes, cut in electric pump which forces CO_2 into cylinder under high pressure until desired weight to exact ounce is reached. Remove cylinder from scale, tighten valves and test for leaks. Follow essentially same procedure in charging transitanks watching mercury gauge instead of weight.

Recharge self-contained breathing apparatus cylinders using compressor containing washed air under high pressure. Refill large dry chemical extinguishers with dry powder, and recharge cylinder with nitrogen under high pressure.

Install new standard equipment such as extinguishers, fire blankets and emergency hoses at various stations throughout factory, office and airport areas. Repair defective extinguishers, replacing valves, gauges, hoses, horns and discharge nozzles. Repair all fire hose by replacing couplings when required.

Perform regular fireman duties including standing watch at open flame operations, fighting fires and acting as member of crash crew.

May act as fire apparatus driver/operator in emergency.

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AUG 29 '91 09:41AM PW FIRE HDQTS

2-14-8 P.5

HOURLY JOB DESCRIPTION
PRATT & WHITNEY AIRCRAFT GROUP

Job Title: DRIVER, FIRE APPARATUS

Dept. 4078, 7078, 78, 2078, 3078, Grade: 7 Job Code: 905.5

~~4078,7078~~

Duties:

U.S.E.S. Code: _____ P.W.A. Occ. Group: 861

Drive and operate fire-fighting apparatus and service the apparatus and equipment. Perform a variety of cleaning, testing and painting assignments at Fire Headquarters.

Drive fire apparatus including pumpers, crash truck or service truck to scene of fire; position apparatus as directed and operate motorized pumps and valves to furnish and maintain pressures required to supply all streams and sprays in use and ready for use. Operate valves to provide proper mixture for foam and to distribute pressure to throw streams distance required.

Keep all vehicles and equipment clean, polished, filled and fully equipped with extinguishers, hand tools and personal equipment and serviced for immediate use. Service and clean apparatus after fire or drill. Purge all lines, refill tanks and put apparatus in readiness. Wash, wax and polish ambulance and fire trucks, clean motors and interiors. Perform service check regularly, including batteries, starters, generators, pumps, gas and oil. Remove and replace hoses on trucks regularly. Recommend overhaul or repair of apparatus as indicated.

Clean, repair and recondition portable fire equipment. Disassemble extinguishers and other equipment such as portable hose trucks and racks for cleaning or painting. Remove corrosion from brass and copper extinguishers with steel wool, and paint or polish equipment. Hydrostatically test extinguisher tanks, mark date of test on tank and maintain records on all hydrostatic testing. Perform some regular firefighter duties including standing watch at open flame operations.

Keep Fire Headquarters clean including fire house, office area, locker and lunch rooms. Perform miscellaneous cleaning, painting or clerical assignments at headquarters.

cs/6
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2-14-89

HOURLY JOB DESCRIPTION
PRATT & WHITNEY AIRCRAFT

Job Title: PLANT PROTECTION OFFICER

Dept. 77, 2077, 3077, 4077, 7077, 78, 7078 Grade: 7 Job Code: 905.8

U.S.E.S. Code: _____ P.W.A. Occ. Group: 860

Duties:

Perform a combination of security and fire protection duties at all CONNOPS plants to protect Company property and its human resources from loss or damage caused by fire, explosion or disruption by illegal means.

Screen and control employees, visitors and vehicles to prohibit unauthorized persons from entering Company property, and inspect lunch boxes, briefcases and packages to prevent contraband being brought in or Company property being removed from the premises. Direct vehicle traffic on Company roadways and adjacent public thoroughfares, and enforce parking regulations. Make regular recorded inspection tours of Company property being alert to suspicious or unauthorized activity, hazardous conditions, assuring security and fire protection functions are intact. Write reports describing all violations, irregularities or complaints noted.

Monitor open flame and other operations which constitute a fire or explosion hazard ensuring that proper precautions are taken to prevent unwarranted exposure of Company property to loss. Inspect portable extinguishers and fire protection systems to ensure they are in satisfactory operating condition and properly located. Check the handling, storage and use of combustible materials to eliminate loss potential conditions and make appropriate recommendations to functional department supervision. Stand by fire hazards and/or fire service system impairments until relieved or the condition is rectified.

Respond to emergencies of a fire or security nature. Fight fires, participate in drills, be proficient in the use of fire suppression equipment, personal protective gear, firearms and apparatus. Serve as helipad/airfield crash rescue crew. Be proficient in first aid and specific rescue techniques. May assist in fire brigade training and servicing and testing of portable fire equipment. Grant permits for open flame welding operations.

Perform a variety of plant protection related duties such as: issuing identification badges, passbooks, key and lock and maintaining rosters of contractors.

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